

**INTERNSHIP TRAINING PROGRAMME REPORT
ON
TECHNIQUES IN MICROBIAL DNA ISOLATION AND
CHARACTERIZATION**

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

BACHELOR OF SCIENCE IN ZOOLOGY

**SUBMITTED BY
P. SETHUPATHI (211ZO023)**

**UNDER THE SUPERVISION OF
Dr. M. LEKESHPANASWAMY M.Sc., M.Phil., Ph.D., B.Ed., FSISC., FISEC.,**



**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 Colleges in NIRF 2023
(Affiliated to Bharathiar University)
G. N. Mills (PO), Coimbatore-641 029
Tamil Nadu, India.**



MADURAI KAMARAJ UNIVERSITY
(University with Potential for Excellence)

Palkalai Nagar

Madurai - 625 021



Dr. V. Shanmugaiah

Senior Assistant Professor

Course Coordinator- MGT

Department of Microbial Technology

School of Biological Sciences

☎: ++91 9597414347

Fax: ++91-452-2458210

E-mail: shanmugaiahv@gmail.com

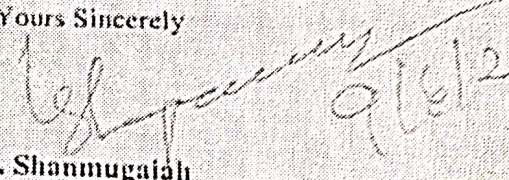
09/06/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. SETHUPATHI.P, 2nd Year B.Sc Zoology, Department of Zoology, Kongunadu Arts and Science College, Coimbatore, he has done her Internship in my laboratory from 22nd May, 2023 to 9th June, 2023. During this period he has learn, the isolation of rhizosphere microbes, DNA isolation from microbes and other microbiological techniques like plate preparation and streaking methods. I hope it will be really helpful for him higher studies. Further, he learns how to handle the microbes and Mosquito rearing techniques from the School of Biological Sciences, Madurai Kamaraj University.

Thank You

Yours Sincerely


V. Shanmugaiah

9/6/2023

ADVANCED INSTRUMENTATION TECHNIQUES IN FOOD ANALYSIS

Internship Training Programme Report

Submitted to

Kongunadu Arts and Science College (Autonomous)

Affiliated to Bharathiar University, Coimbatore

In Partial fulfilment of requirements for the Award of the degree of

BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by

KIRUBA NIVETHA.M

Reg. No. 211ZO024

Under the guidance of

Dr.S. Binu Kumari , M.Sc., M.Phil., Ph.D., M.Ed., PGDMB

Associate Professor & Head (I/c)



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 college in NIRF 2023

Coimbatore - 641 029, Tamil nadu, India

JULY - 2023



GREENLEAF TESTING LAB

CERTIFICATE

This is to certify that KIRUBA NIVETHA.M. (21120024) from DEPARTMENT OF ZOOLOGY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS) participated in the Internship /
Training Programme of ADVANCED INSTRUMENTATION TECHNIQUES IN FOOD
ANALYSIS

Organized by Greenleaf Testing Laboratory during 22.05.2023 to 07.06.2023
at Coimbatore.

Greenleaf Testing Laboratory

Site No:8A, Elango Nagar West Street -I,
Shoba Nagar, Avarampalayam,
Coimbatore - 641 006, Tamil Nadu.
Cell : +91 94867 28436, 81484 42926
E-mail : greenleaftestinglab@gmail.com
Website : www.greenleaflab.in



M. S. J.
Director

INTELLECTUAL INTERNSHIP ON MEDICAL CODING
Internship Training Programme Report

Submitted to

Kongunadu Arts and Science College (Autonomous)
Affiliated to Bharathiar University
Coimbatore -641046

In Partial fulfilment of requirements for the Award of the degree of
BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by

B.R.JANANI

Reg. No. 211ZO016

Under the guidance of

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



DEPARTMENT OF ZOOLOGY
KONGUNADU ARTS AND SCIENCE COLLEGE
(Autonomous)

(Re-Accredited with 'A+' Grade by NAAC) College of Excellence (UGC)
G.N. Mills Post, Coimbatore - 641 029
Tamil Nadu, India

July-2023

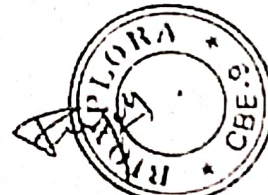


04.07.2023
Coimbatore

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. JANANI B.R (Reg No: 211ZO016), of III B.Sc Zoology from Kongunadu Arts and Science College, Coimbatore has successfully completed her Internship training " Medical Coding" in our esteemed organization. The Internship Training duration is from 31.05.2023 to 12.06.2023. During this period, she was sincere and regular in attending all the phases of Internship Training Program.

For BioXplora,



Authorized Signatory

04, Spring Building, Nehru Street, Gandhipuram, Coimbatore - 641009

www.bioxplora.com

Ph:9944574950

INTELLECTUAL INTERNSHIP ON MEDICAL CODING
Internship Training Programme Report

Submitted to

Kongunadu Arts and Science College (Autonomous)

Affiliated to Bharathiar University

Coimbatore -641046

In Partial fulfilment of requirements for the Award of the degree of

BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by

KAVIYA.S

Reg. No. 211ZO022

Under the guidance of

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



DEPARTMENT OF ZOOLOGY
KONGUNADU ARTS AND SCIENCE COLLEGE
(Autonomous)

(Re-Accredited with 'A+' Grade by NAAC) College of Excellence (UGC)
G.N. Mills Post, Coimbatore - 641 029
Tamil Nadu, India

July-2023



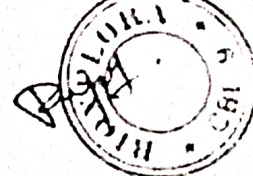
04.07.2023
Coimbatore

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. KAVIYA S (Reg No: 211ZO022)**, of **III B.Sc Zoology from Kongunadu Arts and Science College, Coimbatore** has successfully completed her Internship training "Medical Coding" in our esteemed organization. The Internship Training duration is from **31.05.2023 to 12.06.2023**.

During this period, she was sincere and regular in attending all the phases of Internship Training Program.

For BioXplora,



Authorized Signatory

**INTERNSHIP TRAINING PROGRAMME REPORT
ON**

**TECHNIQUES IN MICROBIAL DNA ISOLATION AND
CHARACTERIZATION**

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

BACHELOR OF SCIENCE IN ZOOLOGY

**SUBMITTED BY
B. SHAKTHIDHARAN (211ZO010)**

**UNDER THE SUPERVISION OF
Dr. S.MANIVANNAN, M.Sc., M.Phil., PGDCA., B.Ed., Ph.D., NET.
Assistant Professor**



**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 Colleges in NIRF 2023
(Affiliated to Bharathiar University)
G. N. Mills (PO), Coimbatore-641 029
Tamil Nadu, India.**



MADURAI KAMARAJ UNIVERSITY
(University with Potential for Excellence)

Palkalai Nagar

Madurai - 625 021



Dr. V. Shanmugaiah
Senior Assistant Professor
Course Coordinator- MGT
Department of Microbial Technology
School of Biological Sciences

☎: ++91 9597414347

Fax: ++91-452-2458210

E-mail: shanmugaiahv@gmail.com

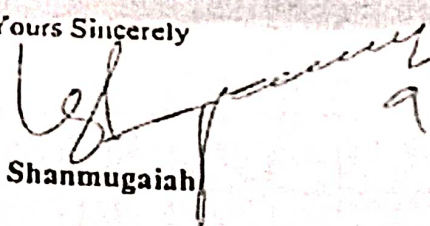
09/06/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. SHAKTHI DHARAN .B 2nd Year B.Sc Zoology, Department of Zoology, Kongunadu Arts and Science College, Coimbatore , he has done her Internship in my laboratory from 22nd May, 2023 to 9th June, 2023. During this period he has learn, the isolation of rhizosphere microbes, DNA isolation from microbes and other microbiological techniques like plate preparation and streaking methods. I hope it will be really helpful for him higher studies. Further, he learns how to handle the microbes and Mosquito rearing techniques from the School of Biological Sciences, Madurai Kamaraj University.

Thank You

Yours Sincerely


V. Shanmugaiah

9/6/2023

**INTERNSHIP TRAINING PROGRAMME REPORT
ON
TECHNIQUES IN MICROBIAL DNA ISOLATION AND
CHARACTERIZATION**

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

BACHELOR OF SCIENCE IN ZOOLOGY

**SUBMITTED BY
R.K. SIVAASAKTHI (211ZO006)**

**UNDER THE SUPERVISION OF
Dr. S.MANIVANNAN, M.Sc., M.Phil., PGDCA., B.Ed., Ph.D., NET.
Assistant Professor**



**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 Colleges in NIRF 2023
(Affiliated to Bharathiar University)
G. N. Mills (PO), Coimbatore-641 029
Tamil Nadu, India.**



MADURAI KAMARAJ UNIVERSITY

(University with Potential for Excellence)

Palkalai Nagar

Madurai - 625 021



Dr. V. Shanmugaiah

Senior Assistant Professor

Course Coordinator- MGT

Department of Microbial Technology

School of Biological Sciences

☎: ++91 9597414347

Fax: ++91-452-2458210

E-mail: shanmugazhv@gmail.com

09/06/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Miss. R. K. SIVASAKTHI, 2nd Year B.Sc Zoology, Department of Zoology, Kongunadu Arts and Science College, Coimbatore, she has done her Internship in my laboratory from 22nd May, 2023 to 9th June, 2023. During this period she has learn, the isolation of rhizosphere microbes, DNA isolation from microbes and other microbiological techniques like plate preparation and streaking methods. I hope it will be really helpful for her higher studies. More she learn how to handle the microbes and Mosquito rearing techniques from the School of Biological Sciences, Madurai Kamaraj University.

Thank You

Sincerely

[Signature]
9/6/2023

INTERNSHIP TRAINING PROGRAMME REPORT
CLINICAL DIAGNOSTIC FOR SELECTED HUMAN DISEASES
SUBMITTED
BY
G.TRISHA
REGISTER NO: 211ZO003
UNDER THE GUIDANCE AND SUPERVISION OF
Dr. R.VENKITACHALAM M.Sc., M.Phil., DCA., Ph.D.,
ASSISTANT PROFESSOR IN ZOOLOGY



PG AND RESEARCH DEPARTMENT OF ZOOLOGY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
College of Excellence (UGC)
Re-Accredited by NAAC with "A+" grade (4" cycle)
(Affiliated to Bharathiar University)
29th Rank among Colleges in NIRF 2023
COIMBATORE - 641 029
TAMIL NADU,INDIA.

JULY, 2023



KEERTHANA CLINICAL LABORATORY & ECG

Vinayagar-Kovil Opp, Ooty main Road, Gudalur. 643212

LIC NO : 1700298

CERTIFICATE

This is certify that Miss. G.Trisha B. Sc .Zoology 3d year student of Kongunadu Arts and science college coimbatore. Under gone internship training in our Laboratory 22.05.2023 to 05.06.2023.

She was good at grasping and learned all the test quickly, she was very sincere and hard working, her contact was good during the period and she will be ascetic to any institution.

"WE WISH HER ALL SUCCESS IN HER FUTURE ENDEAVOUR"

for KEERTHANA CLINICAL LAB & ECG

Proprietor

INTERNSHIP TRAINING PROGRAMME REPORT
CLINICAL DIAGNOSTIC FOR SELECTED HUMAN DISEASES


SUBMITTED BY

C.A KIRUBA VARSHINI
REGISTER NO: 211ZO017

UNDER THE GUIDANCE AND SUPERVISION OF
Dr. R.VENKITACHALAM M.Sc., M.Phil., DCA., Ph.D.,
ASSISTANT PROFESSOR IN ZOOLOGY



PG AND RESEARCH DEPARTMENT OF ZOOLOGY
KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
College of Excellence (UGC)
Re-Accredited by NAAC with "A+" grade (4" cycle)
(Affiliated to Bharathiar University)
29th Rank among Colleges in NIRF 2023
COIMBATORE - 641 029
TAMIL NADU, INDIA.

JULY, 2023



Subash

CLINICAL LABORATORY

SRI RAM COMPLEX, OLD BUS STAND GUDALUR,
 THE NILGIRIS. Ph: 262160, 94435 68544
 E Mail: subashlab72@gmail.com

CERTIFICATE

This is certify that Miss. C.A. Kirubavarshini B. Sc (Zoology) 3d year student of Kongunadu Arts and science college coimbatore. Under gone internship training in our Laboratory 30.5.2023 to 13.6.2023. She was good at grasping and learned all the test quickly, she was very sincere and hard working, her contact was good during the period and she will be ascertained to any institution.

Date : 13.6.2023

Time : 12.30 PM

Dr.K.NARENDRA BABU M.B.B.S,DA

Reg No:32953

Regd. Medical Practitioner
Mamm Clinic, Gudalur


Bees

2. *Mythos und Ideologie*

In Aakash Academy MATHS DEPT
Pathology



ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 05-11-2010 BY 60322 UCBAW/SJS

INTERNSHIP TRAINING PROGRAMME REPORT
ON

CLINICAL DIAGNOSIS OF DISEASES IN HUMAN

SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE

BACHELOR OF SCIENCE IN ZOOLOGY

SUBMITTED BY
A. KEERTHANA (211ZO002)

UNDER THE SUPERVISION OF
Dr P. BHARATHI M.Sc., Ph. D.,



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 Colleges in NIRF 2023
(Affiliated to Bharathiar University)
G. N. Mills (PO), Coimbatore-641 029 Tamil
Nadu, India.



Subash

CLINICAL LABORATORY

FULLY COMPUTERISED

SRI RAM COMPLEX, OLD BUS STAND GUDALUR,

THE NILGIRIS. Ph: 262160, 94435 68544

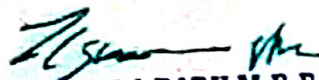
E-Mail: subashlab72@gmail.com

CERTIFICATE

This is certify that Miss. A.Keerthana B. Sc (Zoology) 3d year student of Kongunadu Arts and science college coimbatore. Under gone internship training in our Laboratory 30.5.2023 to 13.6.2023. She was good at grasbing and learned all the test quickly, she was very sincere and hard working, her contact was good during the period and she will be ascetic to any institution.

Date : 13.6.2023

Time : 12.39 PM


Dr. K. NARENDRA BABU M.B.B.S, DA,
Reg No: 32953
Regd. Medical Practitioner,
Laxmi Clinic, Gudalur



Dr. K. NARENDRA BABU M.B.B.S, DA,
Regd. Medical Practitioner



ALTERNATIVE DIAGNOSTIC LABORATORY
FOR STAR HEALTH INSURANCE

 Physician

**INTERSHIP TRAINING PROGRAMME REPORT
ON
TECHNIQUES IN MICROBIAL DNA ISOLATION AND
CHARACTERIZATION**

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

BACHELOR OF SCIENCE IN ZOOLOGY

**SUBMITTED BY
P. VALARMATHI (211ZO019)**

**UNDER THE SUPERVISION OF
Dr P. BHARATHI M.Sc., Ph. D.,**



**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 Colleges in NIRF 2023
(Affiliated to Bharathiar University)
G. N. Mills (PO), Coimbatore-641 029
Tamil Nadu, India.**



Dr. V. Shanmugaiiah
Senior Assistant Professor
Course Coordinator- MGT
Department of Microbial Technology
School of Biological Sciences

MADURAI KAMARAJ UNIVERSITY
(University with Potential for Excellence)

Palkalai Nagar
Madurai - 625 021



☎: ++91 9597414347
Fax: ++91-452-2458210
E-mail: shanmugaiiahv@gmail.com

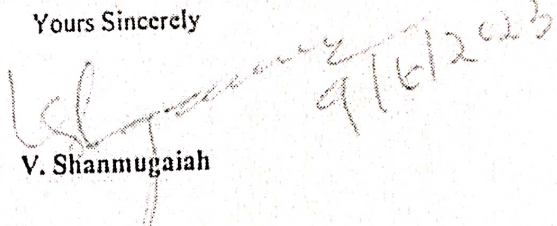
09/06/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Miss. VALARMATHI.P., 2nd Year B.Sc Zoology, Department of Zoology, Kongunadu Arts and Science College, Coimbatore, she has done her Internship in my laboratory from 22nd May, 2023 to 9th June, 2023. During this period she has learn, the isolation of rhizosphere microbes, DNA isolation from microbes and other microbiological techniques like plate preparation and streaking methods. I hope it will be really helpful for her higher studies. More she learns how to handle the microbes and Mosquito rearing techniques from the School of Biological Sciences, Madurai Kamaraj University.

Thank You

Yours Sincerely


V. Shanmugaiiah

ADVANCED INSTRUMENTATION TECHNIQUES IN FOOD ANALYSIS

Internship Training Programme Report

Submitted to

Kongunadu Arts and Science College (*Autonomous*)

Affiliated to Bharathiar University, Coimbatore

In Partial fulfilment of requirements for the Award of the degree of

BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by

MUTHU LAKSHMI. M

Reg. No. 211ZO020

Under the guidance of

Dr.V. Meiyalagan , M.Sc., Ph.D., PGDCA.,

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 college in NIRF 2023

Coimbatore - 641 029, Tamil nadu, India

JULY - 2023

CERTIFICATE OF INTERNSHIP TRAINING PROGRAMME



This is to certify that ...*M. MUTHULAKSHMI (21120020)* from *DEPARTMENT OF ZOOLOGY,*
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)... participated in the Internship /
Training Programme of ...*ADVANCED INSTRUMENTATION TECHNIQUES IN FOOD*.....
.....*ANALYSIS*.....

Organized by Greenleaf Testing Laboratory during ..*22.05.2023*.....to ...*07.06.2023*.....

at *Coimbatore.*

Greenleaf Testing Laboratory

Site No 8A, Elango Nagar West Street-1,
Shelba Nagar, Avsarampattanam,
Coimbatore - 641 006 Tamil Nadu
Tel : +91 94867 25436, 81454 42926
Email : greenleaftestinglab@gmail.com
Website : www.greenleaflab.in



M. J.
Director

**INTERNSHIP TRAINING PROGRAMME REPORT
CLINICAL DIAGNOSTIC FOR HUMAN DISEASES**

SUBMITTED BY

**AISWARYA. C
REGISTER NO: 211ZO005**

UNDER THE GUIDANCE AND SUPERVISION OF

**Dr. V.MEIYALAGAN, M.Sc., Ph.D., PGDCA
ASSISTANT PROFESSOR IN ZOOLOGY**



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

**College of Excellence (UGC)
Re-Accredited by NAAC with "A+" grade (4" cycle)
(Affiliated to Bharathiar University)
29th Rank among Colleges in NIRF
2023**

**COIMBATORE - 641 029
TAMIL NADU, INDIA.**

JULY, 2023



Subash

CLINICAL LABORATORY

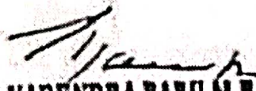
FULLY COMPUTERISED
SRI RAM COMPLEX, OLD BUS STAND GUDALUR,
THE NILGIRIS. Ph: 262160, 94435 68544
E Mail: subashlab72@gmail.com

CERTIFICATE

This is certify that Miss. C.Aiswarya B. Sc (Zoology) 3d year
student of Kongunadu Arts and science college coimbatore. Under gone
internship training in our Laboratory 30.5.2023 to 13.6.2023. She was good
at grasbing and learned all the test quickly, she was very sincere and hard
working, her contact was good during the period and she will be asetic to any
institution.

Date : 13.6.2023

Time : 12.39 PM


Dr. K. NARENDHA BABU M.B.B.S., D.A.
Reg No: 32953
Regd. Medical Practitioner
Laxmi Clinic, Gudalur



S.V. Manja B.Sc.
(The Chemist)

Dr. Vivek Anand M.B.B.S., D.C.P.
(Pathologist)




Dr. K. Narendha Babu

ACCREDITED LABORATORY
NABL 1712 02.01.2023

ADVANCED BIOCHEMISTRY AND MOLECULAR BIOLOGY

Internship Training Programme Report

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

P.Gokula Kannan(211ZO021)

S.Jeevanandan(211ZO015)

Under the guidance of

Dr.S.RAJESHKUMAR M.Sc.,PhD

Assistant Professor in Zoology



DEPARTMENT OF ZOOLOGY

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

College of Excellence (UGC)

G.N. Mills Post, Coimbatore - 641 029, Tamil Nadu, India

JULY - 2023

SAVEETHA DENTAL COLLEGE & HOSPITALS



Saveetha Institute of Medical and Technical Sciences

Post Bag No. 6, # 162, Poonamallee High Road, Chennai - 600 077.

Phone 044-2680 1560 - 85 (8 Lines) Fax 2680 0592

e-mail principaldental@saveetha.com Website <http://www.saveetha.com>



Date: 01.06.2023

Internship Training Certificate

This is to certify that Mr. P. Gokula Kannan (Reg. No. 21120021) Under Graduate student from Department of Zoology, Kongunadu Arts and Science College, Coimbatore-641 029, Tamil Nadu underwent internship training program in the Advanced Biochemistry and Molecular Biology Laboratory, Department of Biochemistry, Saveetha Dental College and Hospitals, Saveetha Institute of Medical and Technical Sciences, Saveetha University, Chennai 600 077, India under my guidance from 23.05.2023 to 31.05.2023. He was given hands-on-training in molecular techniques such as RNA isolation, DNA isolation, Isolation of Proteins, Agarose Gel Electrophoresis, Conventional PCR, Real-Time PCR, ELISA, Biochemical Analysis and Animal Handling (Albino Wistar Rats) techniques etc. in our Institute.


Dr. J. Selvaraj

JELVARAJ JAYARAMAN, M.Sc., M.Ed., M.Phil., Ph.D.

Associate Professor,

Department of Biochemistry,

Saveetha University,

Saveetha Dental College & Hospitals,

Chennai-600 077

SAVEETHA DENTAL COLLEGE & HOSPITALS



Saveetha Institute of Medical and Technical Sciences

Post Bag No. 6, # 162, Poonamallee High Road, Chennai - 600 077.

Phone : 044-2680 1580 - 85 (8 Lines) Fax : 2680 0892

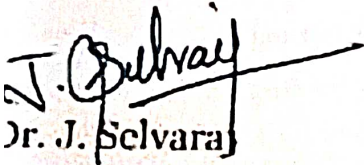
e-mail : principaldental@saveetha.com Website : <http://www.saveetha.com>



Date: 01.06.2023

Internship Training Certificate

This is to certify that Mr. S. Jeevanandan (Reg. No. 21120015), Under Graduate student from Department of Zoology, Kongunadu Arts and Science College, Coimbatore-641 029, Tamil Nadu underwent internship training program in the Advanced Biochemistry and Molecular Biology Laboratory, Department of Biochemistry, Saveetha Dental College and Hospitals, Saveetha Institute of Medical and Technical Sciences, Saveetha University, Chennai-600 077, India under my guidance from 23.05.2023 to 31.05.2023. He was given hands-on-training in molecular techniques such as RNA isolation, DNA isolation, Isolation of Proteins, Agarose Gel Electrophoresis, Conventional PCR, Real-Time PCR, ELISA, Biochemical Analysis and Animal Handling (Albino Wistar Rats) techniques etc. in our Institute.


Dr. J. Selvaraj

VARA J. JAYARAMAN, M.Sc., M.Ed., M.Phil., Ph.D.
Associate Professor,
Department of Biochemistry,
Saveetha University,
Saveetha Dental College & Hospitals,
Chennai-600 077

ADVANCED INSTRUMENTATION TECHNIQUES IN FOOD ANALYSIS

Internship Training Programme Report

Submitted to

Kongunadu Arts and Science College (Autonomous)

Affiliated to Bharathiar University, Coimbatore

In Partial fulfilment of requirements for the Award of the degree of

BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by

VAISHNAVI.N

Reg. No. 211Z0011

Under the guidance of

Dr. K . Velmurugan , M.Sc., M.Phil.,Ph.D.,B.Ed.,(SET)

Assistant Professor in Zoology



DEPARTMENT OF ZOOLOGY

KONGUNADU ARTS AND SCIENCE COLLEGE

(Autonomous)

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

College of Excellence (UGC)

29th Rank among college in NIRF 2023

Coimbatore - 641 029, Tamil nadu, India

JULY - 2023



GREENLEAF TESTING LAB

CERTIFICATE

This is to certify that VAISHNAVI N. (211720011).....from DEPARTMENT...OF...ZOOLOGY.....

KONDUNADU...ARTS...AND...SCIENCE...COLLEGE...(AUTONOMOUS).... participated in the Internship /

Training Programme of ADVANCED...INSTRUMENTATION...TECHNIQUES...IN...FOOD.....

ANALYSIS.....

Organized by Greenleaf Testing Laboratory during..22.05.2023.....10...07.06.2023.....

at Coimbatore.

Greenleaf Testing Laboratory

Site No.8A, Elango Nagar West Street-1,

Shree Nagar, Aravampalayam,

Coimbatore - 641 006 Tamil Nadu.

Call +91 94867 78436, 81484 47926



**INTERNSHIP TRAINING PROGRAMME REPORT
ON
TECHNIQUES IN MICROBIAL DNA ISOLATION AND
CHARACTERIZATION**

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

BACHELOR OF SCIENCE IN ZOOLOGY

**SUBMITTED BY
R.MOHAMMED RASHIQ (211ZO018)**

**UNDER THE SUPERVISION OF
Dr.K.VELMURUGAN M.Sc., M.Phil., Ph.D., B.Ed., (SET)**



**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 Colleges in NIRF 2023
(Affiliated to Bharathiar University)
G. N. Mills (PO), Coimbatore-641 029
Tamil Nadu, India.**



MADURAI KAMARAJ UNIVERSITY
(University with Potential for Excellence)

Palkalai Nagar
Madurai - 625 021



Dr. V. Shanmugaiah
Senior Assistant Professor
Course Coordinator- MGT
Department of Microbial Technology
School of Biological Sciences

☎: ++91 9597414347
Fax: ++91-452-2458210
E-mail: shanmugaiah@gmail.com

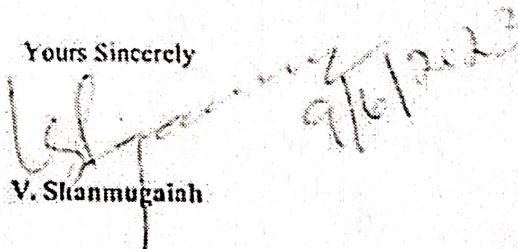
09/06/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. MOHAMMAD RASHIQ.R, 2nd Year B.Sc Zoology, Department of Zoology, Kongunadu Arts and Science College, Coimbatore, he has done her Internship in my laboratory from 22nd May, 2023 to 9th June, 2023. During this period he has learn, the isolation of rhizosphere microbes, DNA isolation from microbes and other microbiological techniques like plate preparation and streaking methods. I hope it will be really helpful for him higher studies. Further, he learns how to handle the microbes and Mosquito rearing techniques from the School of Biological Sciences, Madurai Kamaraj University.

Thank You

Yours Sincerely


V. Shanmugaiah

ADVANCED INSTRUMENTATION TECHNIQUES IN FOOD ANALYSIS

Internship Training Programme Report

Submitted to

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

AFFILIATED TO BHARATHIAR UNIVERSITY, COIMBATORE-641046

In Partial fulfilment of requirements for the award of the degree of

BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by

SATHYABAMA S

Register Number: 211ZO014

Under the Guidance of

Dr. C. SHOBANA, M.Sc., M.Phil., M.Ed., Ph.D.,

Assistant Professor in Zoology



DEPARTMENT OF ZOOLOGY
KONGUNADU ARTS AND SCIENCE COLLEGE
(Autonomous)

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

JULY-2023



GREENLEAF TESTING LAB

CERTIFICATE

This is to certify that SATHYABAMA.S. (21120014).....from DEPARTMENT OF ZOOLOGY.....
KONGUNARU ARTS AND SCIENCE COLLEGE (AUTONOMOUS) participated in the Internship /
Training Programme of ADVANCED INSTRUMENTATION TECHNIQUES IN FOOD
ANALYSIS.....

Organized by Greenleaf Testing Laboratory during 22.05.2023.....to 07.06.2023.....

at Coimbatore.

Greenleaf Testing Laboratory

Site No:8A, Elango Nagar West Street -1,
Shoba Nagar, Avarampalayam,
Coimbatore - 641 006, Tamil Nadu.
Cell : +91 94867 28436, 81494 42926
Email : greenleaftestinglab@gmail.com
Website : www.greenleaflab.in



M. S.
Director

DETECTION OF ANTIMICROBIAL RESISTANT MARKER GENES ALONG WITH KIRBY BAUER DISC DIFFUSION AST METHOD OF BACTERIAL ISOLATES FROM CLINICAL SPECIMENS

Internship training Programme Report

Submitted to

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

AFFILIATED TO BHARATHIAR UNIVERSITY, COIMBATORE-641046
In Partial fulfilment of requirements for the award of the degree of

BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by

MITHUN KUMAR N
Register Number: 211ZO013

Under the Guidance of

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



DEPARTMENT OF ZOOLOGY
KONGUNADU ARTS AND SCIENCE COLLEGE
(Autonomous)
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

JULY - 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. N. Mithun Kumar (REG NO: 211ZO013)**, student of **II - B.Sc. Zoology** Batch: 2022-2023, Department of Zoology, at Kongunadu Arts and Science College, Coimbatore has completed his internship from **23.05.2023 to 08.06.2023** under my guidance, in the Division of Clinical Microbiology & Molecular Diagnostics at Trinity Labs, Palakkad. He has also completed a research study titled **"Detection of Antimicrobial resistant marker genes along with Kirby Bauer disc diffusion AST method of bacterial Isolates from Clinical specimens."**

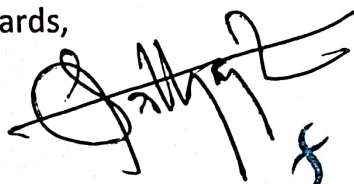
During the period of her internship, he was meticulous in his bench work and has independently performed the assays under my guidance. He has had hands-on experience on various technical procedures with special training on the following:

- Kirby Bauer Disk Diffusion test as per CLSI M100:2022
- Genomic Extraction using Manual Spin Column Method
- Real Time Polymerase Chain Reaction
- DNA Hybridization using Reverse Dot Blot Assay

Trinity Labs is a reference clinical and research laboratory catering to almost 5000 plus samples per month started in January 2022 situated at Palakkad, Kerala. We have expertise in Clinical Chemistry, Immunoassay, Clinical Microbiology, Serology, Molecular Diagnostics, Histopathology and Cytopathology. We have a modern infrastructure, state of art analysers and a highly competent staff taking care of our daily tasks. We strive to achieve quality in our services as per international standards and dream to become a market leader in the near future.

We wish him all the very best for a stupendous career ahead.

Regards,



 **trinity**
DIAGNOSTICS

Dr. R. Sathyajith
MBBS, MD (Micro)
TCMC Reg. No. 47161
Lab Director



Palakkad
09.06.2023

INTERNSHIP TRAINING PROGRAMME REPORT

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

BACHELOR OF SCIENCE IN ZOOLOGY

**SUBMITTED BY
KALAIMUGILAN. M (211ZO007)**

**UNDER THE GUIDANCE OF
Dr. M. Samynathan M.Sc.,Ph.D**



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 colleges in NIRF 2022
(Affiliated to Bharathiar University)**

**G. N. Mills (PO), Coimbatore-641 029
Tamil Nadu, India.**



MADURAI KAMARAJ UNIVERSITY
(University with Potential for Excellence)
School of Biological Sciences
Madurai - 625 021
Tamilnadu, India



Dr. U. Ramesh
Assistant Professor and Head i/c
Department of Molecular Biology

INTERNSHIP CERTIFICATE

This is to certify that the candidate **Mr. M. Kalaimugilan, III – B.Sc., Zoology**, from **Kongunadu Arts and Science College (Autonomous), Coimbatore** has attended the Internship program dated from 25th of May to 16th of June in the topic “Basic Molecular and Microbiology Technique” in the Department of Molecular Biology.

Place: Madurai

Date: 16.06.2023

Signature

Head of the Department

[Handwritten Signature]
16/06/23

INTERNSHIP TRAINING PROGRAMME REPORT
PLANT AND BUTTERFLY INTERACTION AT NURSERY
BACHELOR OF SCIENCE IN ZOOLOGY

SUBMITTED BY

ANANTHAKUMAR.P
Reg. No. 211ZO004

UNDER THE SUPERVISION OF

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



Kongunadu Arts and Science College (Autonomous)
Institution Affiliated to Bharathiar University
College of Excellence (UGC)
Re-accredited by NAAC with A+ grade (4th cycle)
NIRF Rank: 29th (College category)
G.N. Mills, Coimbatore – 641 029

JULY- 2023

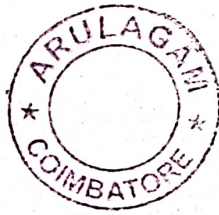
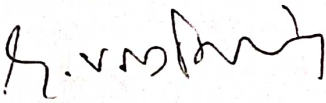


Certificate Of Internship

This is to certify that Mr. Ananthakumar. P., IInd Year, B.Sc (Zoology), Kongu nadu Arts and Science College (Autonomous), Coimbatore has completed internship for the period from 22 May, 2023 to 02 June, 2023. at ARULAGAM (Nature Conservation Organisation), Coimbatore.

We wish him every success in his life and career.

For, Arulagam.



Authorized Signature

Date : 01.06.2023

Place : Coimbatore

அருளகம், 62, ஜி. வி. குடியிருப்பு, கோயம்புத்தூர் - 641 028

Arulagam, 62, G.V. Residency, Sowripalayam P.O., Coimbatore - 641 028. ☎ 0422 - 4346772

பதிவு அலுவலகம் : அருளகம், எல்லைப்பாளையம், கோயம்புத்தூர் - 641 697.

+91 4295 240545 | arulagamindia@gmail.com | www.arulagam.org