

**REPORT ON**  
**INTERNSHIP TRAINING PROGRAMME**  
**ON**  
**Phytochemical Evaluation of *Delonix regia* (Boj. Ex**

**Hook). Flower**

**SUBMITTED BY**

**PAVITHRA.S**

**REG.NO:181BO006**

**B.Sc., Botany**



**DONE IN**  
**BHARATHIAR UNIVERSITY**  
**COIMBATORE**  
**DEPARTMENT OF BOTANY**

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

**Affiliated to Bharathiar University**

**Re-accredited by NAAC with "A+" Grade (4<sup>th</sup> cycle), College of Excellence – (UGC)**

**Coimbatore-641029, Tamil Nadu**



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COIMBATORE - 641 046, TAMIL NADU, INDIA



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**DR. T. PARIMELAZHAGAN**

Professor & Head  
Department of Botany  
Bharathiar University

### CERTIFICATE OF COMPLETION

This is to certify that **Ms. S. Pavithra**, III B.Sc., Botany, Department of Botany, Kongunadu Arts & Science College, Coimbatore has successfully completed her internship at Bioprospecting laboratory, Department of Botany, Bharathiar University during 3<sup>rd</sup> September 2022 – 28<sup>th</sup> October 2022. She was extremely inquisitive, hardworking and dedicated in learning the techniques and processes involved in Phytochemistry. Her association with us was fruitful and she did the internship to her level best.

Coimbatore  
05.11.2022

**PROFESSOR & HEAD**

**Dr. T. PARIMELAZHAGAN**  
Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.



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**DR. T. PARIMELAZHAGAN**

Professor & Head  
Department of Botany  
Bharathiar University

### CERTIFICATE OF COMPLETION

This is to certify that **Ms. E. Siva Nandhini**, III B.Sc., Botany, Department of Botany, Kongunadu Arts & Science College, Coimbatore has successfully completed her internship at Bioprospecting laboratory, Department of Botany, Bharathiar University during 3<sup>rd</sup> September 2022 – 28<sup>th</sup> October 2022. She was extremely inquisitive, hardworking and dedicated in learning the techniques and processes involved in Phytochemistry. Her association with us was fruitful and she did the internship to her level best.

Coimbatore  
05.11.2022

**PROFESSOR & HEAD**

**Dr. T. PARIMELAZHAGAN**  
Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

**REPORT ON  
INTERNSHIP TRAINING PROGRAMME  
ON**

**Phytochemical Evaluation of *Delonix regia* (Boj. Ex**

**Hook). Flower**

**SUBMITTED BY**

**SIVANANTHINI E**

**REG.NO:201BO001**

**B.Sc., Botany**



**DONE IN  
BHARATHIAR UNIVERSITY  
COIMBATORE  
DEPARTMENT OF BOTANY**

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

**Affiliated to Bharathiar University**

**Re-accredited by NAAC with "A<sup>+</sup>" Grade (4<sup>th</sup> cycle), College of Excellence – (UGC)**

**Coimbatore-641029, Tamil Nadu**

**REPORT ON  
INTERNSHIP TRAINING PROGRAMME  
ON**

**Phytochemical Evaluation of *Delonix regia* (Boj. Ex**

**Hook). Flower**

**SUBMITTED BY**

**INDHUJAA.S**

**REG.NO:201BO002**

**B.Sc., Botany**



**DONE IN  
BHARATHIAR UNIVERSITY  
COIMBATORE  
DEPARTMENT OF BOTANY**

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

**Affiliated to Bharathiar University**

**Re-accredited by NAAC with "A+" Grade (4<sup>th</sup> cycle), College of Excellence – (UGC)**

**Coimbatore-641029, Tamil Nadu**



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COIMBATORE - 641 046, TAMIL NADU, INDIA



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**DR. T. PARIMELAZHAGAN**

Professor & Head  
Department of Botany  
Bharathiar University

### CERTIFICATE OF COMPLETION

This is to certify that **Ms. S. Indhujaa**, III B.Sc., Botany, Department of Botany, Kongunadu Arts & Science College, Coimbatore has successfully completed her internship at Bioprospecting laboratory, Department of Botany, Bharathiar University during 3<sup>rd</sup> September 2022 – 28<sup>th</sup> October 2022. She was extremely inquisitive, hardworking and dedicated in learning the techniques and processes involved in Phytochemistry. Her association with us was fruitful and she did the internship to her level best.

Coimbatore  
05.11.2022

**PROFESSOR & HEAD**  
**Dr. T. PARIMELAZHAGAN**  
Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

**REPORT ON**  
**INTERNSHIP TRAINING PROGRAMME**  
**ON**  
***IN VITRO* SEED GERMINATION AND CALLUS INITIATION**

***SUBMITTED BY***

**S.JEEVA**  
**REG.NO:201BO004**  
**B.Sc., Botany**



**DONE IN**  
**BHARATHIAR UNIVERSITY**  
**COIMBATORE**  
**DEPARTMENT OF BOTANY**

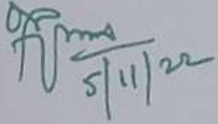
**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)**  
**(Re-accrredited by NAAC with "A+" Grade 4<sup>th</sup> Cycle ,College of Excellence – UGC)**

**Coimbatore-641029, Tamil Nadu, India**

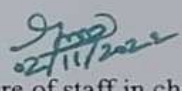
## CERTIFICATE

This is to certify that the project entitled "**IN VITRO SEED GERMINATION AND CALLUS INITIATION**" was completed under the internship training programme; Bharathiar University is a record of original work done by JEEVA.S (201BO004), III B.sc, BOTANY (2020), KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS) Coimbatore-641029, during the course of study in "**Plant tissue culture work shop**", Coimbatore.

Counter Signed

  
Dr. T. P. PARIMALAZHAGAN  
Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

Head of the  
Department

  
Signature of staff in charge  
Dr. N. GEETHA, M.Sc., M.Phil., Ph.D.  
Professor  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046

**REPORT ON**  
**INTERNSHIP TRAINING PROGRAMME**  
**ON**  
***IN VITRO* SEED GERMINATION AND CALLUS INITIATION**

***SUBMITTED BY***  
**T.SATHISHKUMAR**  
**REG.NO:201BO005**  
**B.Sc., Botany**



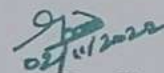
**DONE IN**  
**BHARATHIAR UNIVERSITY**  
**COIMBATORE**  
**DEPARTMENT OF BOTANY**

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)**  
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**Coimbatore-641029, Tamil Nadu, India**

## CERTIFICATE

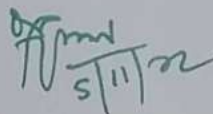
This is to certify that the project entitled "**IN VITRO SEED GERMINATION AND CALLUS INITIATION**" was completed under the internship training programme; Bharathiar University is a record of original work done by T.SATHISHKUMAR (201BO005), III B.sc, BOTANY (2020), KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS) Coimbatore-641029, during the course of study in "Plant tissue culture work shop", Coimbatore.



Signature of staff in charge

**Dr. N. GEETHA, M.Sc., M.Phil., Ph.D.**  
**Professor**  
**Department of Botany**  
**Bharathiar University**  
**Coimbatore - 641 046**

Counter Signed



**Dr. T. PARIMELAZHAGAN**  
**Professor and Head**  
**Department of Botany**  
**Bharathiar University**  
**Coimbatore - 641 046.**

Head of the  
Department

**REPORT ON  
INTERNSHIP TRAINING PROGRAMME  
ON  
IN VITRO SEED GERMINATION AND CALLUS INITIATION**

**SUBMITTED BY**

**R.MURUGAVALLI**

**REG.NO:201BO006**

**B.Sc., Botany**



**DONE IN  
BHARATHIAR UNIVERSITY  
COIMBATORE  
DEPARTMENT OF BOTANY**

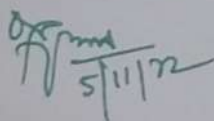
**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)  
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**Coimbatore-641029, Tamil Nadu, India**

## CERTIFICATE

This is to certify that the project entitled "**IN VITRO SEED GERMINATION AND CALLUS INITIATION**" was completed under the internship training programme; Bharathiar University is a record of original work done by R.MURUGAVALLI (201BO006), III B.sc, BOTANY (2020), KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS) Coimbatore-641029, during the course of study in "Plant tissue culture work shop", Coimbatore.

Counter Signed



Dr. T. PARIMELAZHAGAN  
Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.



Signature of staff in charge

Dr. N. GEETHA, M.Sc., M.Phil., Ph.D.  
Professor  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046

Head of the  
Department

**REPORT ON  
INTERNSHIP TRAINING PROGRAMME  
IN  
BASIC TECHNIQUES IN LICHENOLOGY  
SUBMITTED BY  
SOWMIYA. E  
REG NO: 201BO007  
B.Sc., BOTANY  
DONE IN  
BIOMEDICAL RESEARCH LABORATORY  
DEPARTMENT OF BOTANY  
BHARATHIAR UNIVERSITY  
COIMBATORE – 641 046**



**DEPARTMENT OF BOTANY  
KONGUNADU – ARTS AND SCIENCE COLLEGE  
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**Coimbatore-641 029**



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**COIMBATORE – 641 046, TAMILNADU,**  
**INDIA**



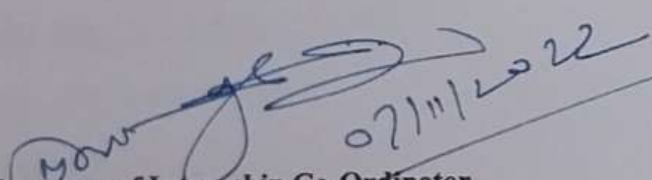
State University

Re-Accredited with "A" Grade by NAAC

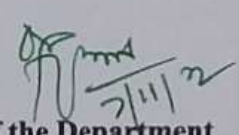
Ranked 14<sup>th</sup> among Indian Universities by MHRD-NIRF

## **CERTIFICATE**

This is to certify that **SOWMIYA.E (201BO007)** of KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), Coimbatore has completed an internship training for 15 days on '**BASIC TECHNIQUES OF LICHENOLOGY**' in the Bio-Medical Laboratory at the Department of Botany, Bharathiar University, Coimbatore - 641046.

  
**Signature of Internship Co-Ordinator.**

**Dr. P. Ponmurugan,**  
M.Sc., M.Phil., M.Tech., Ph.D.,  
Associate Professor in Botany  
Bharathiar University  
Coimbatore - 641 046, Tamil Nadu, India.

  
**Head of the Department**

**PROFESSOR AND HEAD**  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

**REPORT ON  
INTERNSHIP TRAINING PROGRAMME  
IN  
BASIC TECHNIQUES IN LICHENOLOGY  
SUBMITTED BY  
SASIREKA. S  
REG NO: 201BO008  
B.Sc., BOTANY  
DONE IN  
BIOMEDICAL RESEARCH LABORATORY  
DEPARTMENT OF BOTANY  
BHARATHIAR UNIVERSITY  
COIMBATORE – 641 046**



**DEPARTMENT OF BOTANY  
KONGUNADU COLLEGE OF ARTS AND SCIENCE COLLEGE  
(Autonomous)**

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**College of Excellence (UGC)]**

**Coimbatore-641 029**



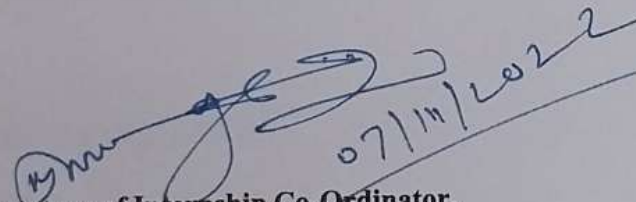
**BHARATHIAR UNIVERSITY**  
**COIMBATORE – 641 046, TAMILNADU,**  
**INDIA**



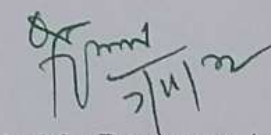
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| State University | Re-Accredited with "A" Grade by NAAC | Ranked 14 <sup>th</sup> among Indian Universities by MHRD-NIRF |
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## **CERTIFICATE**

This is to certify that **SASIREKA.S (201BO008)** of KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), Coimbatore has completed an internship training for 15 days on '**BASIC TECHNIQUES OF LICHENOLOGY**' in the Bio-Medical Laboratory at the Department of Botany, Bharathiar University, Coimbatore - 641046.

  
07/11/2022  
Signature of Internship Co-Ordinator.

Dr. P. Ponmurugan,  
M.Sc., M.Phil., M.Tech., Ph.D.,  
Associate Professor in Botany  
Bharathiar University  
Coimbatore - 641 046, Tamil Nadu, India.

  
Head of the Department  
PROFESSOR AND HEAD  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

**REPORT ON  
INTERNSHIP TRAINING PROGRAMME  
IN  
BASIC TECHNIQUES IN LICHENOLOGY  
SUBMITTED BY  
ANJANA SURENDRAN.K  
REG NO: 201BO009  
B.Sc., BOTANY  
DONE IN  
BIOMEDICAL RESEARCH LABORATORY  
DEPARTMENT OF BOTANY  
BHARATHIAR UNIVERSITY  
COIMBATORE – 641 046**



**DEPARTMENT OF BOTANY  
KONGUNADU ARTS AND SCIENCE COLLEGE  
(Autonomous)**

**[Re-accredited by NAAC with "A+" Grade –(4<sup>th</sup> cycle)**

**College of Excellence (UGC)]**

**Coimbatore-641 029**



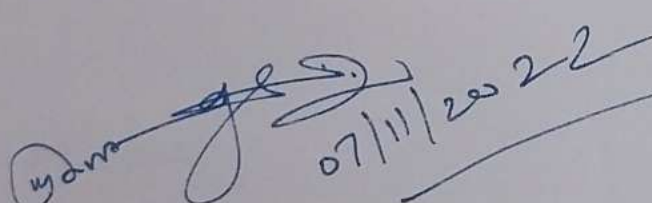
**BHARATHIAR UNIVERSITY**  
**COIMBATORE – 641 046, TAMILNADU,**  
**INDIA**



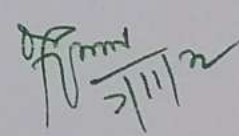
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## **CERTIFICATE**

This is to certify that **ANJANA SURENDRAN.K (201BO009)** of **KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)**, Coimbatore has completed an internship training for 15 days on '**BASIC TECHNIQUES OF LICHENOLOGY**' in the Bio-Medical Laboratory at the Department of Botany, Bharathiar University, Coimbatore - 641046.

  
**Signature of Internship Co-Ordinator.**

**Dr. P. Ponmurugan,**  
M.Sc., M.Phil., M.Tech., Ph.D.,  
Associate Professor in Botany  
Bharathiar University  
Coimbatore - 641 046, Tamil Nadu, India.

  
**Head of the Department**

**PROFESSOR AND HEAD**  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

# **INTERNSHIP TRAINING PROGRAM 2022**

## **Microbiological Techniques**

at  
**Root and Soil Biology Laboratory  
Department of Botany  
Bharathiar University  
Coimbatore – 641046**

**Report Submitted  
by**

**V.SUGANYA  
(201BO011)**

**III B.SC, BOTANY**



**KONGUNADU ARTS AND SCIENCE COLLEGE [AUTONOMOUS]  
Re-Accredited by the NAAC with "A" Grade (4<sup>th</sup> Cycle)  
College of Excellence (UGC)  
GOIMBATORE- 641029, TAMILNADU**



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BHARATHIAR UNIVERSITY

COIMBATORE - 641 046, TAMILNADU, INDIA



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**CERTIFICATE**

This is to certify that Ms. V. Suganya (Reg.No.201BO011) of Kongunadu Arts and Science College (Autonomous), Coimbatore has completed an internship training for 15 days on 'Microbiological Techniques' in Root and Soil Biology Laboratory at the Department of Botany, Bharathiar University, Coimbatore.

Signature of Internship Coordinator

Dr. T. MUTHUKUMAR, Ph.D.,  
Associate Professor  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

Head of the Department

Dr. T. PARIMELAZHAGAN  
Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.



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COIMBATORE - 641 046, TAMILNADU, INDIA



University Re-Accredited with "A" Grade by NAAC Ranked 14<sup>th</sup> among Indian Universities by MHRD-NIRF

**CERTIFICATE**

This is to certify that **Mr. J. Kaviarasan (Reg.No.201BO012)** of Kongunadu Arts and Science College (Autonomous), Coimbatore has completed an internship training for 15 days on '**Microbiological Techniques**' in Root and Soil Biology Laboratory at the Department of Botany, Bharathiar University, Coimbatore.

Signature of Internship Coordinator

**Dr. T. MUTHUKUMAR, Ph.D.**

Associate Professor  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

Head of the Department

**Dr. T. PARIMELAZHAGAN**

Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

# **INTERNSHIP TRAINING PROGRAM 2022**

## **Microbiological Techniques**

at  
**Root and Soil Biology Laboratory**  
**Department of Botany**  
**Bharathiar University**  
**Coimbatore – 641046**

**Report Submitted  
by**

**J.KAVIARASAN**  
**(201BO012)**

**III B.SC, BOTANY**



**KONGUNADU ARTS AND SCIENCE COLLEGE [AUTONOMOUS]**  
**Re-Accredited by the NAAC with "A" Grade (4<sup>th</sup> Cycle)**  
**College of Excellence (UGC)**  
**COIMBATORE- 641029, TAMILNADU**

# **INTERSHIP TRAINING PROGRAM 2022**

## **Microbiological Techniques**

at  
**Root and Soil Biology Laboratory  
Department of Botany  
Bharathiar University  
Coimbatore – 641046**

**Report Submitted  
by**

**P.KABILAN  
(201BO013)**

**III B.SC, BOTANY**



**KONGUNADU ARTS AND SCIENCE COLLEGE [AUTONOMOUS]  
Re-Accredited by the NAAC with "A" Grade (4<sup>th</sup> Cycle)  
College of Excellence (UGC)  
COIMBATORE- 641029, TAMILNADU**



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BHARATHIAR UNIVERSITY



COIMBATORE - 641 046, TAMILNADU, INDIA

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**CERTIFICATE**

This is to certify that **Mr. P. Kabilan (Reg.No.201BO013)** of Kongunadu Arts and Science College (Autonomous), Coimbatore has completed an internship training for 15 days on '**Microbiological Techniques**' in Root and Soil Biology Laboratory at the Department of Botany, Bharathiar University, Coimbatore.

Signature of Internship Coordinator  
Dr. T. MUTHUKUMAR, Ph.D.,  
Associate Professor  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

Head of the Department

Dr. T. PARIMELAZHAGAN  
Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.



**BHARATHIAR UNIVERSITY**  
**COIMBATORE - 641 046, TAMILNADU, INDIA**



State University

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Ranked 14<sup>th</sup> among Indian Universities by MHRD-NIRF

**CERTIFICATE**

This is to certify that **Mr. L. Dhandapani (Reg: No : 201BO014)** of  
**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS),**  
**Coimbatore** has completed an internship training for 15 days on '**Molecular**  
**Biology**' in Molecular Biology Laboratory at the Department of Botany,  
Bharathiar University, Coimbatore.

*K. Vasanth 04/11/22*

Signature of Internship Co-ordinator

Dr. K. VASANTH, Ph.D.,  
Assistant Professor  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

*T. Parimelazhagan 5/11/22*

Head of the Department

Dr. T. PARIMELAZHAGAN  
Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

REPORT ON  
INTERNSHIP TRAINING PROGRAMME  
IN  
MOLECULAR BIOLOGY LABORATORY

SUBMITTED BY  
L.DHANDAPANI  
(201BO014)

B. Sc., BOTANY



DONE IN  
BHARATHIAR UNIVERSITY  
COIMBATORE  
DEPARTMENT OF BOTANY

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

Re-accredited by NAAC with "A+" Grade –( 4<sup>th</sup> cycle)

College of Excellence –(UGC)

Coimbatore - 641 029, Tamil Nadu, India

**REPORT ON  
INTERNSHIP TRAINING PROGRAMME  
IN  
MOLECULAR BIOLOGY LABORATORY**

**SUBMITTED BY**

**S. RITHIKA**

**(201BO016)**

**B. Sc., BOTANY**



**DONE IN  
BHARATHIAR UNIVERSITY  
COIMBATORE  
DEPARTMENT OF BOTANY**

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

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Excellence -(UGC)

Coimbatore - 641 029, Tamil Nadu, India



**BHARATHIAR UNIVERSITY**  
**COIMBATORE - 641 046, TAMILNADU, INDIA**



University | Re-Accredited with "A" Grade by NAAC | Ranked 14<sup>th</sup> among Indian Universities by MHRD-NIRF

**CERTIFICATE**

This is to certify that **Ms. S. Rithika** (Reg: No: 201BO016) of KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), Coimbatore has completed an internship training for 15 days on '**Molecular Biology**' in Molecular Biology Laboratory at the Department of Botany, Bharathiar University, Coimbatore.

*[Signature]* 04/11/22

Signature of Internship Co-ordinator

**Dr. K. VASANTH, Ph.D.,**  
Assistant Professor  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

*[Signature]* 5/11/22

Head of the Department

**Dr. T. PARIMEI AZHAGAN**  
Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

REPORT ON  
INTERNSHIP TRAINING PROGRAMME  
IN  
MOLECULAR BIOLOGY LABORATORY

SUBMITTED BY  
M.ARUNKUMAR  
(201BO017)  
B. Sc., BOTANY



DONE IN  
DEPARTMENT OF BOTANY  
BHARATHIAR UNIVERSITY  
COIMBATORE- 641 046.

**KONGUNADU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)**  
Re-accredited by NAAC with "A<sup>+</sup>" Grade -(4<sup>th</sup> cycle)  
College of Excellence -(UGC)  
Coimbatore - 641 029, Tamil Nadu, India



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**COIMBATORE - 641 046, TAMILNADU, INDIA**



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| State University | Re-Accredited with "A" Grade by NAAC | Ranked 14 <sup>th</sup> among Indian Universities by MHRD-NIRF |
|------------------|--------------------------------------|----------------------------------------------------------------|

**CERTIFICATE**

This is to certify that **Mr. M. Arunkumar** (Reg: No : 201BO017) of KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), Coimbatore has completed an internship training for 15 days on '**Molecular Biology**' in Molecular Biology Laboratory at the Department of Botany, Bharathiar University, Coimbatore.

*Regr 04/11/22*

Signature of Internship Co-ordinator

Dr. K. VASANTH, Ph.D.,  
Assistant Professor  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

*Dr. T. Parimelazhagan*  
*5/11/22*

Head of the Department

Dr. T. PARIMELAZHAGAN  
Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

***In vitro* Plant Tissue Culture Techniques and Phyto Compound  
Extraction**

Internship report submitted to the Kongunadu Arts and Science College in partial  
fulfillment of the requirements for the award of the degree of

**BACHELOR DEGREE IN BOTANY**

Submitted by

**GIRITHARAN. T**

**Reg. No: 201BO018**



**DONE IN**

**Department of Botany  
Bharathiar University  
Coimbatore - 641 046.**

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

**(Re-accredited by NAAC with "A<sup>+</sup>" Grade 4<sup>th</sup> Cycle College of Excellence – UGC**

**Coimbatore – 641 029, Tamil Nadu.)**



பாரதியார் பல்கலைக்கழகம்

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COIMBATORE - 641 046, TAMIL NADU, INDIA



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### CERTIFICATE

This is certified that **Mr. T. Giritharan, III B.Sc. BOTANY (201BO018), Kongunadu Arts and Science College (Autonomous), Coimbatore - 641 029,** has successfully completed his Internship under my supervision in Plant and Microbial Biotechnology Laboratory, Department of Botany, Bharathiar University, Coimbatore - 641 046. During the above said period, he was successfully learnt plant tissue culture techniques, phytochemical extraction, and purification techniques.

Professor and Head

(Dr. T. Parimelazhagan)

Dr. T. PARIMELAZHAGAN  
Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

Signature of the Supervisor

(Dr. P. Gurusaravanan)

Dr. P. GURUSARAVANAN, MSc., M.Phil., PhD.,  
Assistant Professor  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046, Tamilnadu, India.

***In vitro* Plant Tissue Culture Techniques and Phyto Compound  
Extraction**

Internship report submitted to the Kongunadu Arts and Science College in partial  
fulfillment of the requirements for the award of the degree of

**BACHELOR DEGREE IN BOTANY**

Submitted by

**RAHUL. D**

Reg. No: 201BO019



**DONE IN**

**Department of Botany  
Bharathiar University  
Coimbatore - 641 046.**

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

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Coimbatore – 641 029, Tamil Nadu.



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### CERTIFICATE

This is certified that **Mr. D. Rahul, III B.Sc. BOTANY (201BO019), Kongunadu Arts and Science College (Autonomous), Coimbatore - 641 029,** has successfully completed his Internship under my supervision in Plant and Microbial Biotechnology Laboratory, Department of Botany, Bharathiar University, Coimbatore - 641 046. During the above said period, he was successfully learnt plant tissue culture techniques, phytocompound extraction, and purification techniques.

Professor and Head

(Dr. T. Parimelazhagan)

Dr. T. PARIMELAZHAGAN  
Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

Signature of the Supervisor

(Dr. P. Gurusaravanan)

Dr. P. GURUSARAVANAN, M.Sc., M.Phil., Ph.D.,  
Assistant Professor  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046, Tamilnadu, India.

***In vitro* Plant Tissue Culture Techniques and Phyto Compound  
Extraction**

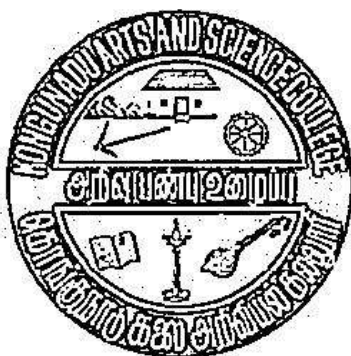
Internship report submitted to the Kongunadu Arts and Science College in partial  
fulfillment of the requirements for the award of the degree of

**BACHELOR DEGREE IN BOTANY**

Submitted by

**GOWTHAM. J**

**Reg. No: 201BO020**



**DONE IN**

**Department of Botany  
Bharathiar University  
Coimbatore - 641 046.**

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

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Coimbatore - 641 029, Tamil Nadu.



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### CERTIFICATE

This is certified that **Mr. J. Gowtham , III B.Sc . BOTANY (201BO020), Kongunadu Arts and Science College (Autonomous), Coimbatore – 641 029,** has successfully completed his Internship under my supervision in Plant and Microbial Biotechnology Laboratory, Department of Botany, Bharathiar University, Coimbatore - 641 046. During the above said period, he was successfully learnt plant tissue culture techniques, phytocompound extraction, and purification techniques.

Professor and Head

(Dr. T. Parimelazhagan)

**Dr. T. PARIMELAZHAGAN**  
Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

Signature of the Supervisor

(Dr. P. Gurusaravanan)

**Dr. P. GURUSARAVANAN, MSc., MPhil, PhD.,**  
Assistant Professor  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046, Tamilnadu, India.

**REPORT ON INTERNSHIP TRAINING PROGRAMME**

**IN**

**ANALYSIS OF ENVIRONMENTAL SAMPLES**

**SUBMITTED BY**

**BALAKRISHNAN. G**

**REG NO: 201BO021**

**B.Sc., BOTANY**

**DONE IN**

**PLANT ECOLOGY LAB**

**BHARATHIAR UNIVERSITY COIMBATORE**

**UNDER THE GUIDANCE OF**

**Dr. K. CHITRA**

**Assistant Professor**

**Department of Botany**

**Bharathiar University Coimbatore.**



**KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)**

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**[College of Excellence(UGC)]**

**Coimbatore-641 029**



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**CERTIFICATE**

This is to certify that the project entitled "**ANALYSIS OF ENVIRONMENTAL SAMPLES**" did under internship training programme, is a record of original work done by **BALAKRISHNAN G (201BO021)**, III B.Sc., BOTANY (2022), Kongunadu Arts and Science College (Autonomous) Coimbatore - 641 029, during the course of study in **BHARATHIAR UNIVERSITY**, Coimbatore.

**Signature of Internship Co-Ordinator**

**Dr. K. CHITRA**  
Assistant Professor,  
Department of Botany  
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Coimbatore - 641 046.

**Head of the Department**

**Dr. T. PARIMELAZHAGAN, Ph.D.,**  
Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

**REPORT ON INTERNSHIP TRAINING PROGRAMME**

**IN**

**ANALYSIS OF ENVIRONMENTAL SAMPLES**

**SUBMITTED BY**

**ABHINAV M**

**REG NO: 201BO022**

**B.Sc.,BOTANY**

**DONE IN**

**PLANT ECOLOGY LAB**

**BHARATHIAR UNIVERSITY**

**COIMBATORE- 641046**

**Under the Guidance of**

**Dr. K. CHITRA**

**Assistant Professor**

**Department of Botany**

**Bharathiar University Coimbatore**



**Estd. 1973**

**SUBMITTED TO**

**DEPARTMENT OF BOTANY**

**KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)**

**[Re-Accredited by the NAAC with "A<sup>+</sup>" Grade(4<sup>th</sup> Cycle)**

**College of Excellence (UGC)]**

**COIMBATORE-641 029**



**BHARATHIAR UNIVERSITY**  
**COIMBATORE - 641 046, TAMILNADU, INDIA**

late University | Re-Accredited with "A" Grade by NAAC | Ranked 14<sup>th</sup> among Indian Universities by MHRD-NIRF

### CERTIFICATE

This is to certify that the project entitled "**ANALYSIS OF ENVIRONMENTAL SAMPLES**" did under internship training programme, is a record of original work done by **ABHINAV M (201BO022)**, III B.Sc., BOTANY (2022), Kongunadu Arts and Science College (Autonomous) Coimbatore - 641 029, during the course of study in **BHARATHIAR UNIVERSITY**, Coimbatore.

**Signature of Internship Co-Ordinator**

Dr. K. CHITRA  
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Coimbatore - 641 046.

**Head of the Department**

Dr. T. PARIMELAZHAGAN, Ph.D.,  
Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

**REPORT ON INTERNSHIP TRAINING PROGRAMME**

**IN**

**ANALYSIS OF ENVIRONMENTAL SAMPLES**

**SUBMITTED BY**

**ANIL KUMAR. A**

**REG NO: 201BO023**

**B.Sc., BOTANY**

**DONE IN**

**PLANT ECOLOGY LAB**

**BHARATHIAR UNIVERSITY COIMBATORE**

**Under The Guidance of**

**Dr. K. CHITRA**

**Assistant Professor**

**Department of Botany**

**Bharathiar University Coimbatore**



**Estd. 1973**

**Submitted to**

**DEPARTMENT OF BOTANY**

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**[College of excellence (UGC) ]**

**[Re-accredited by NAAC with "A+" Grade -4<sup>th</sup> cycle]**

**Coimbatore-641 029**



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**COIMBATORE - 641 046, TAMILNADU, INDIA**



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### CERTIFICATE

This is to certify that the project entitled "**ANALYSIS OF ENVIRONMENTAL SAMPLES**" did under internship training programme, is a record of original work done by **ANIL KUMAR A (201BO023)**, III B.Sc., **BOTANY (2022)**, Kongunadu Arts and Science College (Autonomous) Coimbatore - 641 029, during the course of study in **BHARATHIAR UNIVERSITY**, Coimbatore.

**Signature of Internship Co-Ordinator**

**Dr. K. CHITRA**  
Assistant Professor,  
Department of Botany  
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Coimbatore - 641 046.

**Head of the Department**

**Dr. T. PARIMELAZHAGAN, Ph.D.,**  
Professor and Head  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

**REPORT ON INTERNSHIP TRAINING PROGRAMME**

**IN**

**ANALYSIS OF ENVIRONMENTAL SAMPLES**

**SUBMITTED BY**

**UPESH. A**

**REG NO: 201BO024**

**B.Sc., BOTANY**

**DONE IN**

**PLANT ECOLOGY LAB**

**BHARATHIAR UNIVERSITY COIMBATORE**

**Under The Guidance of**

**Dr. K. CHITRA**

**Assistant Professor**

**Department of Botany**

**Bharathiar University Coimbatore**



**Estd. 1973**

**Submitted to**

**DEPARTMENT OF BOTANY**

**KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)**

**[College of excellence (UGC) ]**

**[Re-accredited by NAAC with "A+" Grade -(4<sup>th</sup> cycle)]**

**Coimbatore-641 029**



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**Signature of Internship Co-Ordinator**

Dr. K. CHITRA  
Assistant Professor,  
Department of Botany  
Bharathiar University  
Coimbatore - 641 046.

**Head of the Department**

Dr. T. PARIMELAZHAGAN, Ph.D.,  
Professor and Head  
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