

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 (4th cycle), College of Excellence – (UGC)

Coimbatore-641029, Tamil Nadu



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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 3rd September 2022 – 28th 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 3rd September 2022 – 28th 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
INTERSHIP 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

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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



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KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

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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 3rd September 2022 – 28th 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)
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Coimbatore-641029, Tamil Nadu, India

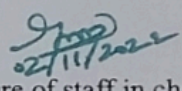
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This is to certify that the project entitled "**IN VITRO SEED GERMINATION AND CALLUS INITIATION**" was completed under the internship training programme; Bharathiar University is a record of original work done by JEEVA.S (201BO004), III B.sc, BOTANY (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. PARIMELAZHAGAN
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



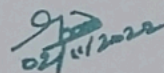
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DEPARTMENT OF BOTANY

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Coimbatore-641029, Tamil Nadu, India

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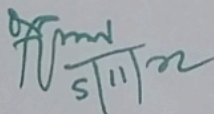
This is to certify that the project entitled "**IN VITRO SEED GERMINATION AND CALLUS INITIATION**" was completed under the internship training programme; Bharathiar University is a record of original work done by T.SATHISHKUMAR (201BO005), III B.sc, BOTANY (2020), KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)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

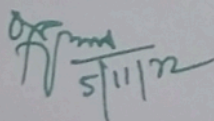
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Coimbatore-641029, Tamil Nadu, India

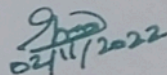
CERTIFICATE

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**



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INDIA



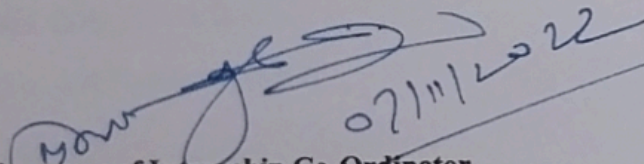
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CERTIFICATE

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.


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


7/11/22
Head of the Department

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

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**



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Coimbatore-641 029



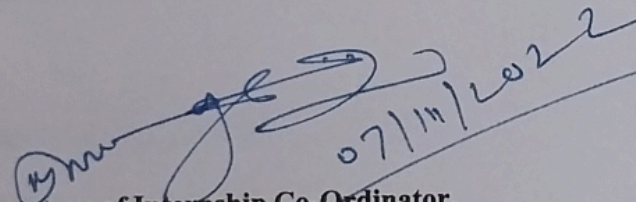
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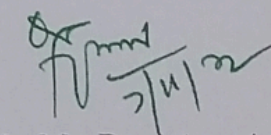
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This is to certify that **SASIREKA.S (201BO008)** of KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), Coimbatore has completed an internship training for 15 days on '**BASIC TECHNIQUES OF LICHENOLOGY**' in the Bio-Medical Laboratory at the Department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



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Coimbatore-641 029



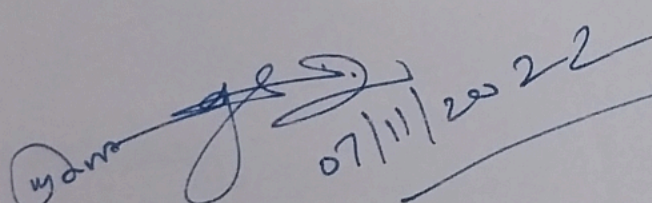
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COIMBATORE – 641 046, TAMILNADU,
INDIA

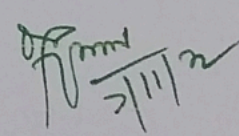


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CERTIFICATE

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.


Head of the Department

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

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



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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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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



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INTERSHIP TRAINING PROGRAM 2022

Microbiological Techniques

at

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

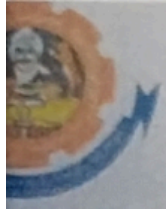
**Report Submitted
by**

**P.KABILAN
(201BO013)**

III B.SC, BOTANY



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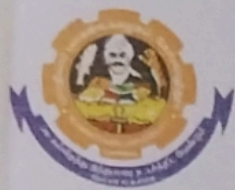
CERTIFICATE

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.



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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.

Handwritten signature of K. Vasanth

Signature of Internship Co-ordinator

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

Handwritten signature of Dr. T. Parimelazhagan

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

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(AUTONOMOUS)**

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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

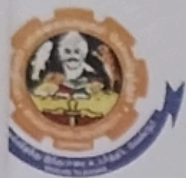


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COIMBATORE
DEPARTMENT OF BOTANY**

**KONGUNADU ARTS AND SCIENCE COLLEGE
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Coimbatore - 641 029, Tamil Nadu, India



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சுருத்திரவியல் திருநாடு, அருந்தியல் திருநாடு



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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.

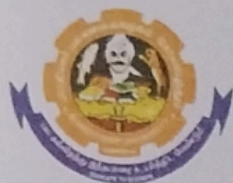
REPORT ON
INTERNSHIP TRAINING PROGRAMME
IN
MOLECULAR BIOLOGY LABORATORY

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



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

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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.

Regd 04/11/22

Signature of Internship Co-ordinator

Dr. T. Parimelazhagan
5/11/22

Head of the Department

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

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⁺" Grade 4th Cycle College of Excellence – UGC

Coimbatore – 641 029, Tamil Nadu.)



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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
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Signature of the Supervisor

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Dr. P. GURUSARAVANAN, MSc., M.Phil., PhD.,
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BACHELOR DEGREE IN BOTANY

Submitted by

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KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

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

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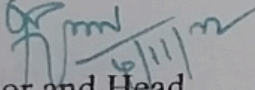
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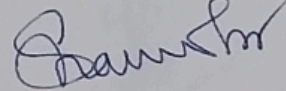
CERTIFICATE

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, phytochemical extraction, and purification techniques.


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Submitted by

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Reg. No: 201BO020



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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.

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**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.



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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.

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Head of the Department

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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

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Bharathiar University Coimbatore



Estd. 1973

SUBMITTED TO

DEPARTMENT OF BOTANY

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

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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 **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.

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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 -4th cycle]

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 **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.**

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Head of the Department

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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

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Assistant Professor

Department of Botany

Bharathiar University Coimbatore



Estd. 1973

Submitted to

DEPARTMENT OF BOTANY

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

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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 **UPESH A (201BO024)**, III B.Sc., BOTANY (2022), Kongunadu Arts and Science College (Autonomous) Coimbatore - 641 029, during the course of study in **BHARATHIAR UNIVERSITY**, Coimbatore.

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