

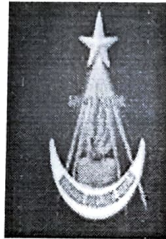
MANIHOT ESCULENTA CRANTZ
CULTIVATION METHODS, VARIETIES &
DISEASE MANAGEMENT

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

AMRUTHA M P (CRASSBO001)

UNDER THE SUPERVISION OF

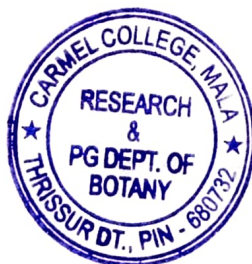
Dr. Bindhu K. B
Assistant Professor
Department of Botany
Carmel College, Mala




DEPARTMENT OF BOTANY
CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021

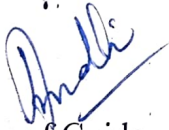

Supervisor




Head of the Department
Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that **AMRUTHA M P** with **Reg. No. CRASSBO001** has successfully completed her project work entitled **MANIHOT ESCULENTA CRANTZ CULTIVATION METHODS, VARIETIES & DISEASE MANAGEMENT** under the guidance of **Dr. Bindhu K. B** submission to the University of Calicut in partial fulfillment of requirement for the award of Degree of Bachelor of Science in Botany, during the period of study 2020 - 2021.



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Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

MANIHOT ESCULENTA CRANTZ
CULTIVATION METHODS, VARIETIES &
DISEASE MANAGEMENT

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

ANJU K A (CRASSBO002)

UNDER THE SUPERVISION OF

Dr. Bindhu K. B
Assistant Professor
Department of Botany
Carmel College, Mala




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CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021

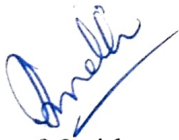

Supervisor




Head of the Department
Head
Department of Botany
Carmel College, Mala
Thirissur, Kerala - 680732

CERTIFICATE

This is to certify that ANJU K A with Reg. No. CRASSBO002 has successfully completed her project work entitled **MANIHOT ESCULENTA CRANTZ CULTIVATION METHODS, VARIETIES & DISEASE MANAGEMENT** under the guidance of Dr. Bindhu K. B submission to the University of Calicut in partial fulfillment of requirement for the award of Degree of Bachelor of Science in Botany, during the period of study 2020 - 2021.



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Head of the Department

Head
Department of Botany
Carmel College
Thiruvananthapuram, Kerala - 680732

MANIHOT ESCULENTA CRANTZ
CULTIVATION METHODS, VARIETIES &
DISEASE MANAGEMENT

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

ANNMARY JOSE (CRASSBO003)

UNDER THE SUPERVISION OF

Dr. Bindhu K. B
Assistant Professor
Department of Botany
Carmel College, Mala




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CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021

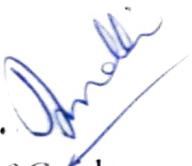

Supervisor




Head of the Department
Head
Department of Botany
Carmel College, Mala
Thirissur, Kerala - 680732

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This is to certify that ANNMARY JOSE with Reg. No. CRASSBO003 has successfully completed her project work entitled MANIHOT ESCULENTA CRANTZ CULTIVATION METHODS, VARIETIES & DISEASE MANAGEMENT under the guidance of Dr. Bindhu K. B submission to the University of Calicut in partial fulfillment of requirement for the award of Degree of Bachelor of Science in Botany, during the period of study 2020 - 2021.



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Head
Department of Botany
Carmel College, Maia
Thrissur, Kerala - 680732

MANIHOT ESCULENTA CRANTZ
CULTIVATION METHODS, VARIETIES &
DISEASE MANAGEMENT

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

APARNA BALAN (CRASSBO004)

UNDER THE SUPERVISION OF

Dr. Bindhu K. B
Assistant Professor
Department of Botany
Carmel College, Mala




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CARMEL COLLEGE, MALA
THRISSUR, KERALA

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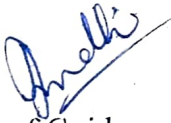

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Head of the Department
Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that APARNA BALAN with Reg. No. CRASSBO004 has successfully completed her project work entitled **MANIHOT ESCULENTA CRANTZ CULTIVATION METHODS, VARIETIES & DISEASE MANAGEMENT** under the guidance of Dr. Bindhu K. B submission to the University of Calicut in partial fulfillment of requirement for the award of Degree of Bachelor of Science in Botany, during the period of study 2020 - 2021.



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Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

MANIHOT ESCULENTA CRANTZ
CULTIVATION METHODS, VARIETIES &
DISEASE MANAGEMENT

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

ASWATHY LAVAN (CRASSBO005)

UNDER THE SUPERVISION OF

Dr. Bindhu K. B
Assistant Professor
Department of Botany
Carmel College, Mala




DEPARTMENT OF BOTANY
CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021


Supervisor




Head of the Department
Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that **ASWATHY LAVAN** with Reg. No. **CRASSBO005** has successfully completed her project work entitled **MANIHOT ESCULENTA CRANTZ CULTIVATION METHODS, VARIETIES & DISEASE MANAGEMENT** under the guidance of Dr. Bindhu K. B submission to the University of Calicut in partial fulfillment of requirement for the award of Degree of Bachelor of Science in Botany, during the period of study 2020 - 2021.



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Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

STUDIES ON SELECTED TUBER CROPS

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

By

GAYATHRI APPUKUTTAN (CRASSBO006)

UNDER THE SUPERVISION OF

Dr. Sr. Kochuthressia K. P
Assistant Professor
Department of Botany
Carmel College, Mala



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CARMEL COLLEGE, MALA
THRISSUR, KERALA

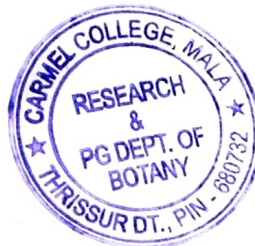
2020-2021


Supervisor

Dr. Sr. Kochuthressia K.P.
Assistant Professor
Department of Botany
Carmel College Mala


Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732



CERTIFICATE

This is to certify that **GAYATHRI APPUKUTTAN** with Reg. No. **CRASSBO006** has successfully completed her project work entitled **STUDIES ON SELECTED TUBER CROPS** under the guidance of Dr. Sr. Kochuthressia K.P submission to the University of Calicut in partial fulfillment of requirement for the award of Degree of Bachelor of Science in Botany, during the period of study 2020 - 2021.



Signature of Guide

Dr. Sr. Kochuthressia. K.P.
Assistant Professor
Department of Botany
Carmel College Mala



Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

STUDIES ON SELECTED TUBER CROPS

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

By

JEENA JHONSON P J (CRASSBO007)

UNDER THE SUPERVISION OF

Dr. Sr. Kochuthressia K. P
Assistant Professor
Department of Botany
Carmel College, Mala



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CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021


Supervisor

Dr. Sr. Kochuthressia. K.P.
Assistant Professor
Department of Botany
Carmel College Mala



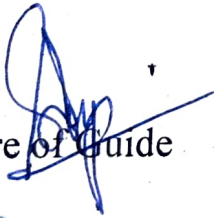

Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that **JEENA JOHNSON P J** with **Reg. No.CRASSBO007** has successfully completed her project work entitled **STUDIES ON SELECTED TUBER CROPS** under the guidance of **Dr.Sr. Kochuthressia K.P** submission to the University of Calicut in partial fulfillment of requirement for the award of Degree of Bachelor of Science in Botany, during the period of study 2020 - 2021.

Signature of Guide



Dr. Sr. Kochuthressia. K.P.
Assistant Professor
Department of Botany
Carmel College Mala

Head of the Department



Head
Department of Botany
Carmel College, Mala
Thiruvananthapuram, Kerala - 680732

STUDIES ON SELECTED TUBER CROPS

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

By

JISA A J (CRASSBO008)

UNDER THE SUPERVISION OF

Dr. Sr. Kochuthressia K. P
Assistant Professor
Department of Botany
Carmel College, Mala



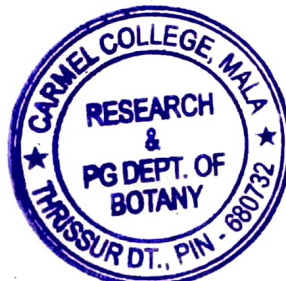
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THRISSUR, KERALA

2020-2021


Supervisor


Head of the Department

Dr. Sr. Kochuthressia. K.P.
Assistant Professor.
Department of Botany
Carmel College Mala



Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that **JISA A J** with **Reg. No. CRASSBO008** has successfully completed her project work entitled **STUDIES ON SELECTED TUBER CROPS** under the guidance of **Dr. Sr. Kochuthressia K.P** submission to the University of Calicut in partial fulfillment of requirement for the award of Degree of Bachelor of Science in Botany, during the period of study 2020 - 2021.



Signature of Guide

Dr. Sr. Kochuthressia. K.P.
Assistant Professor
Department of Botany
Carmel College Mala



Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

STUDIES ON SELECTED TUBER CROPS

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

By

PRIYA VARGHESE (CRASSBO009)

UNDER THE SUPERVISION OF

Dr. Sr. Kochuthressia K. P
Assistant Professor
Department of Botany
Carmel College, Mala



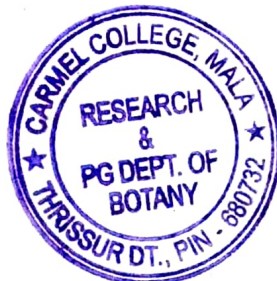
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CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021


Supervisor


Head of the Department

Dr. Sr. Kochuthressia. K.P.
Assistant Professor
Department of Botany
Carmel College Mala



Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that **PRIYA VARGHESE** with Reg. No. **CRASSBO009** has successfully completed her project work entitled **STUDIES ON SELECTED TUBER CROPS** under the guidance of Dr. Sr. Kochuthressia K.P submission to the University of Calicut in partial fulfillment of requirement for the award of Degree of Bachelor of Science in Botany, during the period of study 2020 - 2021.



Signature of Guide

Dr. Sr. Kochuthressia. K.P.
Assistant Professor
Department of Botany
Carmel College Mala



Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

STUDIES ON SELECTED TUBER CROPS

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

By

SANDRA (CRASSBO010)

UNDER THE SUPERVISION OF

Dr. Sr. Kochuthressia K. P
Assistant Professor
Department of Botany
Carmel College, Mala

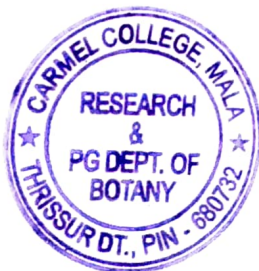


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THRISSUR, KERALA

2020-2021

Supervisor

Dr. Sr. Kochuthressia. K.P.
Assistant Professor
Department of Botany
Carmel College Mala



Head of the Department

Head
Department of Botany
Carmel College, Mala
Thirissur, Kerala - 680732

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This is to certify that **SANDRA** with Reg. No. **CRASSBO010** has successfully completed her project work entitled **STUDIES ON SELECTED TUBER CROPS** under the guidance of Dr. Sr. Kochuthressia K.P submission to the University of Calicut in partial fulfillment of requirement for the award of Degree of Bachelor of Science in Botany, during the period of study 2020 - 2021.



Signature of Guide

Dr. Sr. Kochuthressia. K.P.
Assistant Professor
Department of Botany
Carmel College Mala



Head of the Department

Head
Department of Botany
Carmel College, Mala
Thiruvananthapuram, Kerala - 680732

**Phytochemistry, cultural practices and uses of
Zingiber officinale (Ginger) and *Curcuma longa*
(Turmeric) Zingiberaceae**

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

By

SHINCY P G (CRASSB0011)

UNDER THE SUPERVISION OF

Dr. Sinjumol Thomas
Assistant Professor
Department of Botany
Carmel College, Mala

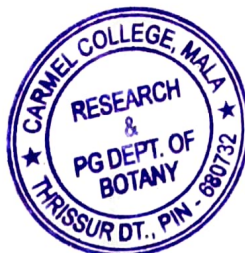


**DEPARTMENT OF BOTANY
CARMEL COLLEGE, MALA
THRISSUR, KERALA**

2020-2021

Supervisor

DR. SINJUMOL THOMAS
Assistant Professor & Research Guide
Department of Botany
Carmel College Mala
Thrissur - 680732, India



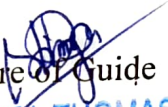
Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that **SHINCY PG** with Reg. No. **CRASSBO011** has successfully completed her project work entitled **Phytochemistry, cultural practices and uses of *Zingiber officinale* (Ginger) *Curcuma longa* (Turmeric) Zingiberaceae,** under the guidance of Dr. Sinjumol Thomas for submission to the University of Calicut in partial fulfilment of requirement for the award of Degree of Bachelor of Science in Botany during the period of study 2020 - 2021.

Signature of Guide



DR. SINJUMOL THOMAS
Assistant Professor & Research Guide
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732, India

Head of the Department



Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

Phytochemistry, cultural practices and uses of *Zingiber officinale* (Ginger) and *Curcuma longa* (Turmeric) Zingiberaceae

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

AISWARYA K S (CRASSBO012)

UNDER THE SUPERVISION OF

Dr. Sinjumol Thomas
Assistant Professor
Department of Botany
Carmel College, Mala

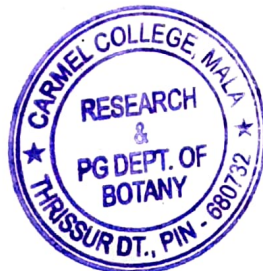


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CARMEL COLLEGE, MALA
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2020-2021

Supervisor 

DR. SINJUMOL THOMAS
Assistant Professor & Research Guide
Department of Botany
Carmel College Mala
Thrissur - 680732, India




Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that **AISWARYA K S** with Reg. No. **CRASSBO012** has successfully completed her project work entitled **Phytochemistry, cultural practices and uses of *Zingiber officinale* (Ginger) *Curcuma longa* (Turmeric) *Zingiberaceae***, under the guidance of **Dr. Sinjumol Thomas** submission to the University of Calicut in partial fulfilment of requirement for the award of Degree of Bachelor of Science in Botany during the period of study 2020 - 2021.

Signature of Guide

DR. SINJUMOL THOMAS
Assistant Professor & Research Guide
Department of Botany
Carmel College Mala
Thrissur - 680732, India

Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

**Phytochemistry, cultural practices and uses of
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(Turmeric) Zingiberaceae**

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

AMY JAYACHANDRAN (CRASSBO014)


UNDER THE SUPERVISION OF

Dr. Sinjumol Thomas
Assistant Professor
Department of Botany
Carmel College, Mala

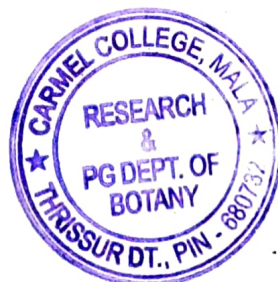


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CARMEL COLLEGE, MALA
THRISSUR, KERALA**

2020-2021


Supervisor

DR. SINJUMOL THOMAS
Assistant Professor & Research Guide
Department of Botany
Carmel College Mala
Thirissur - 680732, India

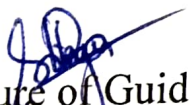


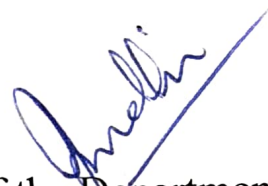

Head of the Department

Head
Department of Botany
Carmel College, Mala
Thirissur, Kerala - 680732

CERTIFICATE

This is to certify that **AMY JAYACHANDRAN** with Reg. No. **CRASSBO014** has successfully completed her project work entitled **Phytochemistry, cultural practices and uses of *Zingiber officinale* (Ginger) *Curcuma longa* (Turmeric) *Zingiberaceae***, under the guidance of **Dr. Sinjumol Thomas** for submission to the University of Calicut in partial fulfilment of requirement for the award of Degree of Bachelor of Science in Botany during the period of study 2020 - 2021.


Signature of Guide
DR. SINJUMOL THOMAS
Assistant Professor & Research Guide
Department of Botany
Carmel College Mala
Thrissur - 680732, India


Head of the Department
Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

**Phytochemistry, cultural practices and uses of
Zingiber officinale (Ginger) and *Curcuma longa*
(Turmeric) Zingiberaceae**

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

ANETTE ANTONY (CRASSBO015)

UNDER THE SUPERVISION OF

Dr. Sinjumol Thomas
Assistant Professor
Department of Botany
Carmel College, Mala

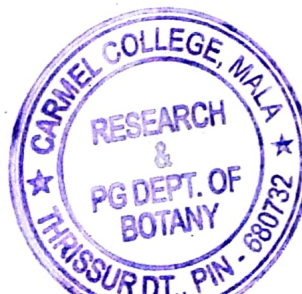


**DEPARTMENT OF BOTANY
CARMEL COLLEGE, MALA
THRISSUR, KERALA**

2020-2021

Supervisor

DR. SINJUMOL THOMAS
Assistant Professor & Research Guide
Department of Botany
Carmel College Mala
Thrissur - 680732, India



Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that **ANNETTE ANTONY** with Reg. No. **CRASSBO015** has successfully completed her project work entitled **Phytochemistry, cultural practices and uses of *Zingiber officinale* (Ginger) *Curcuma longa* (Turmeric) *Zingiberaceae***, under the guidance of **Dr. Sinjumol Thomas** submission to the University of Calicut in partial fulfilment of requirement for the award of Degree of Bachelor of Science in Botany during the period of study 2020 - 2021.



Signature of Guide
DR. SINJUMOL THOMAS
Assistant Professor & Research Guide
Department of Botany
Carmel College Mala
Thrissur - 680732, India



Head of the Department
Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

Phytochemistry, cultural practices and uses of *Zingiber officinale* (Ginger) and *Curcuma longa* (Turmeric) Zingiberaceae

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

APARNA T R(CRASSBO016)

UNDER THE SUPERVISION OF

Dr. Sinjumol Thomas
Assistant Professor
Department of Botany
Carmel College, Mala

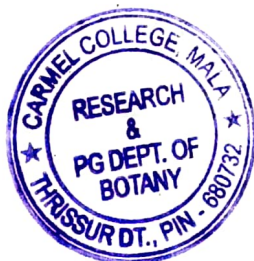


DEPARTMENT OF BOTANY
CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021

Supervisor

DR. SINJUMOL THOMAS
Assistant Professor & Research Guide
Department of Botany
Carmel College Mala
Thrissur - 680732, India



Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that **APARNA T R** with **Reg. No.CRASSBO016** has successfully completed her project work entitled **Phytochemistry, cultural practices and uses of *Zingiber officinale* (Ginger) *Curcuma longa* (Turmeric) Zingiberaceae,** under the guidance of Dr. Sinjumol Thomas submission to the University of Calicut in partial fulfilment of requirement for the award of Degree of Bachelor of Science in Botany during the period of study 2020 - 2021.

Signature of Guide

DR.SINJUMOL THOMAS
Assistant Professor & Research Guide
Department of Botany
Carmel College Mala
Thrissur - 680732, India

Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CULTIVATION PRACTICES OF BETEL VINE

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

BEEFATHUMMABI.PVP(CRASSBO017)

UNDER THE SUPERVISION OF

Ms. JipcyMol P
Assistant Professor on Contract
Department of Botany
Carmel College, Mala



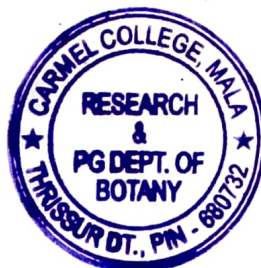
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CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021


Supervisor


Head of the Department

Ms. JipcyMol P
Assistant Professor
Dept of Botany.



Head
Department of Botany
Carmel College, Mala
Thirissur, Kerala - 680732

CERTIFICATE

This is to certify that **BEEFATHUMMABHI PVP** with **Reg. No. CRASSBO017** has successfully completed her project work entitled **CULTIVATION PRACTICES OF BETEL VINE** under the guidance of Ms. Jipcymol P. submission to the University of Calicut in partial fulfilment of requirement for the award of Degree of Bachelor of Science in Botany during the period of study 2020 - 2021.



Signature of Guide

Ms. Jipcymol P
Assistant Professor
Dept. of Botany.



Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CULTIVATION PRACTICES OF BETEL VINE

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

GRACE JOHN(CRASSBO018)

UNDER THE SUPERVISION OF

Ms. Jipcy Mol P
Assistant Professor on Contract
Department of Botany
Carmel College, Mala

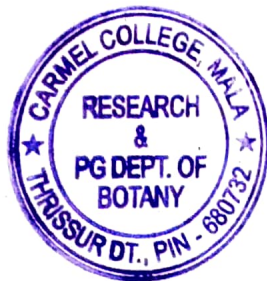


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CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021

Jipcy
Supervisor

Ms. Jipcy Mol P
Assistant Professor
Dept of Botany



Anjali
Head of the Department

Head
Department of Botany
Carmel College, Mala
Thirissur, Kerala - 680732

CERTIFICATE

This is to certify that **GRACE JOHN** with Reg. No. **CRASSBO018** has successfully completed her project work entitled **CULTIVATION PRACTICES OF BETEL VINE** under the guidance of Ms. Jipcy Mol P. submission to the University of Calicut in partial fulfilment of requirement for the award of Degree of Bachelor of Science in Botany during the period of study 2020 - 2021.


Signature of Guide

Ms. Jipcy Mol P
Assistant Professor
Dept of Botany


Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CULTIVATION PRACTICES OF BETEL VINE

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

JANAS JAYACHANDRAN(CRASSBO019)

UNDER THE SUPERVISION OF

Ms. JipcyMol P
Assistant Professor on Contract
Department of Botany
Carmel College, Mala

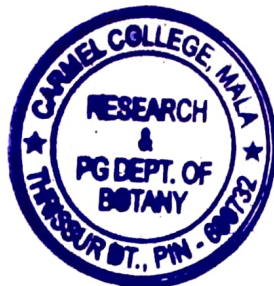


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CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021

Jipcy
Supervisor

Ms. JipcyMol P
Assistant Professor
Dept of Botany



Anthi
Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that **JANAS JAYACHANDRAN** with Reg. No. **CRASSBO019** has successfully completed her project work entitled **CULTIVATION PRACTICES OF BETEL VINE** under the guidance of Ms. Jipcymol P. submission to the University of Calicut in partial fulfilment of requirement for the award of Degree of Bachelor of Science in Botany during the period of study 2020 - 2021.


Signature of Guide

Ms. Jipcymol P
Assistant Professor
Dept of Botany


Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CULTIVATION PRACTICES OF BETEL VINE

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

MEGHA K.B(CRASSBO020)

UNDER THE SUPERVISION OF

Ms. JipcyMol P
Assistant Professor on Contract
Department of Botany
Carmel College, Mala



DEPARTMENT OF BOTANY
CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021

Jipcy
Supervisor

Amal
Head of the Department

Ms. JipcyMol P
Assistant Professor
Dept of Botany



Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that **MEGHA K B** with Reg. No. **CRASSBO020** has successfully completed her project work entitled **CULTIVATION PRACTICES OF BETEL VINE** under the guidance of Ms. Jipeymol P. submission to the University of Calicut in partial fulfilment of requirement for the award of Degree of Bachelor of Science in Botany during the period of study 2020 - 2021.


Signature of Guide

Ms. Jipeymol P
Assistant Professor
Dept of Botany.


Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CULTIVATION PRACTICES OF BETEL VINE

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

NANDHANA V.J(CRASSBO021)

UNDER THE SUPERVISION OF

Ms. Jipey Mol P
Assistant Professor on Contract
Department of Botany
Carmel College, Mala



DEPARTMENT OF BOTANY
CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021

Supervisor: *Jipey*

*Ms. Jipey Mol P
Assistant Professor
Department of Botany*



[Signature]
Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that **NANDHANA V J** with Reg. No. **CRASSBO021** has successfully completed her project work entitled **CULTIVATION PRACTICES OF BETEL VINE** under the guidance of Ms. Jipcymol P. submission to the University of Calicut in partial fulfilment of requirement for the award of Degree of Bachelor of Science in Botany during the period of study 2020 - 2021.



Signature of Guide

Ms. Jipcymol P
Assistant Professor
Dept of Botany



Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CINNAMON ZEYLANICUM BLUME
CULTIVATION METHODS AND
VARIETIES

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

SAFNA LATHEF(CRASSBO022)

UNDER THE SUPERVISION OF

Dr. Athira K. A
Assistant Professor
Department of Botany
Carmel College, Mala

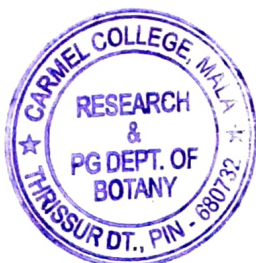


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CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021

Athira
Supervisor

DR. ATHIRA KA
ASSISTANT PROFESSOR
DEPARTMENT OF BOTANY



Anjali
Head of the Department


Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that **SAFNA LATHEF** with Reg. No. **CRASSBO022** has successfully completed her project work entitled **CINNAMON ZEYLANICUM BLUME CULTIVATION METHODS AND VARIETIES** under the guidance of Dr. Athira K. A submission to the University of Calicut in partial fulfillment of requirement for the award of Degree of Bachelor of Science in Botany, during the period of study 2020 - 2021.


Signature of Guide

DR ATHIRA KA
ASSISTANT PROFESSOR
DEPARTMENT OF BOTANY
CARMEL COLLEGE MALA


Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CINNAMON ZEYLANICUM BLUME

CULTIVATION METHODS AND

VARIETIES

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

SOJA K J(CRASSBO023)

UNDER THE SUPERVISION OF

Dr. Athira K. A
Assistant Professor
Department of Botany
Carmel College, Mala

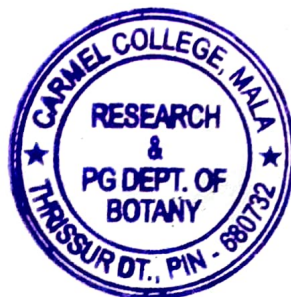


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CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021

Athira.
Supervisor

DR. ATHIRA KA
ASSISTANT PROFESSOR
DEPARTMENT OF BOTANY



Amal
Head of the Department

Head
Department of Botany
Carmel College, Mala
Thirissur, Kerala - 680732

CERTIFICATE

This is to certify that **SOJA K J** with Reg. No. **CRASSBO023** has successfully completed her project work entitled **CINNAMON ZEYLANICUM BLUME CULTIVATION METHODS AND VARIETIES** under the guidance of Dr. Athira K. A submission to the University of Calicut in partial fulfillment of requirement for the award of Degree of Bachelor of Science in Botany, during the period of study 2020 - 2021.


Signature of Guide

DR. ATHIRA KA
ASSISTANT PROFESSOR
DEPARTMENT OF BOTANY
CARMEL COLLEGE MALA


Head of the Department

Head
Department of Botany
Carmel College, Mala
Thiruvananthapuram - 680732

CINNAMON ZEYLANICUM BLUME
CULTIVATION METHODS AND
VARIETIES

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

SREELAKSHMI P S(CRASSBO025)

UNDER THE SUPERVISION OF

Dr. Athira K. A
Assistant Professor
Department of Botany
Carmel College, Mala



DEPARTMENT OF BOTANY
CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021

Athira
Supervisor

DR ATHIRA KA
ASSISTANT PROFESSOR
DEPARTMENT OF BOTANY



Anah
Head of the Department


Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that **SREELAKSHMI P S** with **Reg. No.CRASSBO025** has successfully completed her project work entitled **CINNAMON ZEYLANICUM BLUME CULTIVATION METHODS AND VARIETIES** under the guidance of Dr. Athira K. A submission to the University of Calicut in partial fulfillment of requirement for the award of Degree of Bachelor of Science in Botany, during the period of study 2020 - 2021.


Signature of Guide

DR. ATHIRA KA
ASSISTANT PROFESSOR
DEPARTMENT OF BOTANY
CARMEL COLLEGE MALA


Head of the Department
Head
Department of Botany
Carmel College, Mala
Thrissur, Karala - 680732

CULTIVATION METHODS AND VARIETIES

Project report submitted to the University of Calicut for the partial fulfillment of the award of the
degree of Bachelor of Science in Botany

SREESHA K N(CRASSBO026)

UNDER THE SUPERVISION OF

Dr. Athira K. A
Assistant Professor
Department of Botany
Carmel College, Mala



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CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021

Athira
Supervisor

DR. ATHIRA KA
ASSISTANT PROFESSOR
DEPARTMENT OF BOTANY



Joseph
Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that **SREESHA K N** with **Reg. No. CRASSBO026** has successfully completed her project work entitled **CINNAMON ZEYLANICUM BLUME CULTIVATION METHODS AND VARIETIES** under the guidance of Dr. Athira K. A submission to the University of Calicut in partial fulfillment of requirement for the award of Degree of Bachelor of Science in Botany, during the period of study 2020 - 2021.

Signature of Guide

DR. ATHIRA KA
ASSISTANT PROFESSOR
DEPARTMENT OF BOTANY
CARMEL COLLEGE MALA

Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

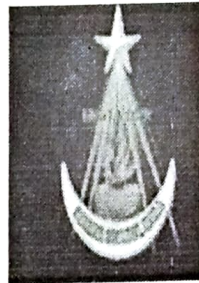
CULTIVATION METHODS AND VARIETIES

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

SRUTHY V(CRASSBO027)

UNDER THE SUPERVISION OF

Dr. Athira K. B
Assistant Professor
Department of Botany
Carmel College, Mala

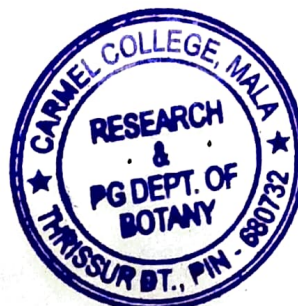


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CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021

Supervisor

Athira
DR. ATHIRA KA
ASSISTANT PROFESSOR
DEPARTMENT OF BOTANY
CARMEL COLLEGE MALA

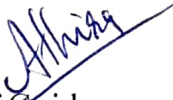


Head of the Department

Amal
Head
Department of Botany
Carmel College, Mala
Thirissur, Kerala - 680732

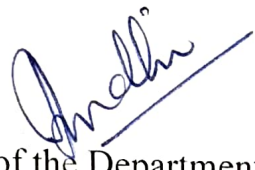
CERTIFICATE

This is to certify that **SRUTHY V** with **Reg. No. CRASSBO027** has successfully completed her project work entitled **CINNAMON ZEYLANICUM BLUME CULTIVATION METHODS AND VARIETIES** under the guidance of Dr. Athira K. A submission to the University of Calicut in partial fulfillment of requirement for the award of Degree of Bachelor of Science in Botany, during the period of study 2020 - 2021.



Signature of Guide

DR. ATHIRA KA
ASSISTANT PROFESSOR
DEPARTMENT OF BOTANY
CARMEL COLLEGE MALA



Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CULTIVATION METHODS AND VARIETIES

Project report submitted to the University of Calicut for the partial fulfillment of the award of the degree of Bachelor of Science in Botany

SUKANYA K P(CRASSBO028)

UNDER THE SUPERVISION OF

Dr. Athira K. B
Assistant Professor
Department of Botany
Carmel College, Mala

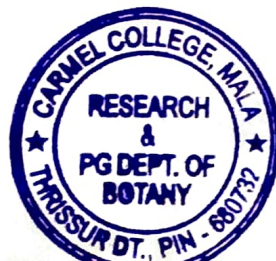


DEPARTMENT OF BOTANY
CARMEL COLLEGE, MALA
THRISSUR, KERALA

2020-2021

Supervisor

DR. ATHIRA KA
ASSISTANT PROFESSOR
DEPARTMENT OF BOTANY




Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CERTIFICATE

This is to certify that **SUKANYA K P** with **Reg. No. CRASSBO028** has successfully completed her project work entitled **CINNAMON ZEYLANICUM BLUME CULTIVATION METHODS AND VARIETIES** under the guidance of Dr. Athira K. A submission to the University of Calicut in partial fulfillment of requirement for the award of Degree of Bachelor of Science in Botany, during the period of study 2020 - 2021.


Signature of Guide

DR. ATHIRA KA
ASSISTANT PROFESSOR
DEPARTMENT OF BOTANY
CARMEL COLLEGE MALA


Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732