





SSR 5 th CYCLE 2023

1.3.2 Student Projects and Internships

(Affiliated to Mahatma Gandhi University Kottayam)



CERTIFICATE OF COMPLETION

This is to certify that the project entitled "EFFECT OF OSMOTIC STRESS ON SEED GERMINATION AND SEEDLING CHARACTERS OF GREEN GRAM IN VIGNA RADIATA is submitted by MANU SAJEEVAN (200021023870) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. Reshmi G R. The work is carried out as an in-house project by the student.

Signature of Guide

Signature of HoD

DEPARTMENT OF BOTANY

(Affiliated to Mahatma Gandhi University, Kottayam)



CERTIFICATE OF COMPLETION

This is to certify that the project entitled EFFECT OF VITAMIN D AND VITAMIN B ON GROWTH OF RADICLE IN *Vigna radiata* is submitted by **MOHAMMED ARIF PT** (200021023856) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of **MS SAINABA AA**. The work is carried out as an in-house project by the student.

Signature of Guide

(Affiliated to Mahatma Gandhi University Kottayam)



CERTIFICATE OF COMPLETION

This is to certify that the project entitled "STUDIES ON PHYLLANTHUS MYRTIFOLIUS DIVERSITY OF UNION CHRISTIAN COLLEGE ALUVA" is submitted by APARNAES (200021023868) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science under the guidance of Dr. Justin R Nayagam. The work is carried out as an in-house project by the student.

Signature of Guide

Signature of HoD

(Affiliated to Mahatma Gandhi University Kottayam)



CERTIFICATE OF COMPLETION

This is to certify that the project entitled "PRELIMINARY PHYTOCHEMICAL SCREENING AND PIGMENT QUANTIFICATION IN LEAVES OF MORINGA OLERIFERA LAM. AND PSIDIUM GUAJAVA L." is submitted by MIZNA M A (200021023855) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of DR. PRIYA MP. The work is carried out as an in-house project by the student.

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "A STUDY ON THE PRODUCTION OF BIOCHAR FROM Alternanthera bettzickiana (Regel) G. Nichols. AND ITS APPLICATION IN INDUSTRIAL DYE ADSORPTION" is submitted by SHREYA R PAI(200021023862) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. Anumol Jose. The work is carried out as an in-house project by the student.

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "A STUDY ON THE PRODUCTION OF BIOCHAR FROM Chromolaena odorata L. king & H.rob and Sphagneticola trilobata (L.) Pruski AND ITS APPLICATION IN INDUSTRIAL DYE ADSORPTION" is submitted by AKHINU C (200021023844) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. Anumol Jose. The work is carried out as an in-house project by the student.

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "PHYTOTOXIC EFFECT OF MERCURY ON GERMINATION OF Vigna unguiculata" is submitted by AARYA C S (200021023864) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. Manju M George. The work is carried out as an in-house project by the student.

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "PHYTOTOXIC EFFECTS OF MERCURY ON THE GERMINATION OF Amaranthus cruentus is submitted by MUHSINA MUHAMMED (200021023871) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. Manju M George. The work is carried out as an in-house project by the student.

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "PHYTOTOXIC EFFECT OF MERCURY ON GERMINATION OF Abelmoschus esculentus" is submitted by ANEESHA P B (200021023847) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. Manju M George. The work is carried out as an in-house project by the student.

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "PHYTOTOXIC EFFECT OF MERCURY ON THE GERMINATION OF Vigna radiata (L.) Wilczek" is submitted by DEVIKA K A (200021023851) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science under the guidance of Dr. Manju M George. The work is carried out as an in-house project by the student.

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "PHYTOTOXIC EFFECT OF MERCURY ON ELEUSINE CORACANA" is submitted by R. KAILAASH (200021023875) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of DR. MANJU M GEORGE. The work is carried out as an in-house project by the student.

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "PHARMACOGNOSTIC CHARACTERIZATION OF Justicia Adathoda, Aegle Marmelos and Piper Longum- AN IMPORTANT COMPOSITION IN AYURVEDHIC RASAYANA" is submitted by ANAGHA M M (200021023865) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. Reshmi G R. The work is carried out as an in-house project by the student.

Signature of Guide

Signature of HoD

04/65/23

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "COMPARATIVE ASSESSMENT OF AIR POLLUTION IMPACT ON MORPHOANATOMICAL AND STOMATAL INDEX OF PLANTS GROWING UNDER POLLUTED AND NONPOLLUTED AREA" is submitted by PRITHVIRAJ P S (200021023858) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. Reshmi G R. The work is carried out as an in-house project by the student.

Signature of Guide

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(Affiliated to Mahatma Gandhi University Kottayam)



CERTIFICATE OF COMPLETION

This is to certify that the project entitled "ASSESSMENT OF MORPHO ANATOMICAL AND STOMATAL CHARACTERISTIC OF SOME SELECTED MEDICINAL PLANTS" is submitted by SUMAYYA T A (200021023876) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. Reshmi G R. The work is carried out as an in-house project by the student.

Signature of Cuide

DEPARTMENT OF BOTANY

(Affiliated to Mahatma Gandhi University Kottayam)



CERTIFICATE OF COMPLETION

This is to certify that the project entitled "PIGMENTS QUANTIFICATION AND PRELIMINARY PHYTOCHEMICAL SCREENING IN LEAVES OF Ficus religiosa L. AND Tamarindus indica L." is submitted by POORNENDU R ACHARYA (200021023859) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of DR. Priya M P. The work is carried out as an in-house project by the student.

PRIYA M.P

Signature of Guide

(Affiliated to Mahatma Gandhi University Kottayam)



CERTIFICATE OF COMPLETION

This is to certify that the project entitled "EFFECT OF MEFENAMIC ACID AND AZITHROMYCIN ON GROWTH OF RADICLE IN Vigna radiata" is submitted by ANEENA JOHN (200021023866) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of MS Sainaba A A. The work is carried out as an in-house project by the student.

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DEPARTMENT OF BOTANY

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled EFFECT OF DROUGHT AND SALT STRESS ON SEED GERMINATION OF Great Millet-Jowar (Sorghum bicolor (L.) Moench) is submitted by VISHNU DAS T A (200021023877) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. PRIYA M P. The work is carried out as an in-house project by the student.

PRIVE M.P.
Signature of Guide

DEPARTMENT OF BOTANY

(Affiliated to Mahatma Gandhi University, Kottayam)



CERTIFICATE OF COMPLETION

This is to certify that the project entitled EFFECT OF DROUGHT AND SALT STRESS ON SEED GERMINATION OF FOXTAIL MILLET (Setaria italica (L.) P. beauvois)) is submitted by BRIGHTLY SEBASTIAN (200021023849) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. Priya M P. The work is carried out as an in-house project by the student.

Signature of Guide

Signature of HoD

DEPARTMENT OF BOTANY

(Affiliated to Mahatma Gandhi University, Kottayam)

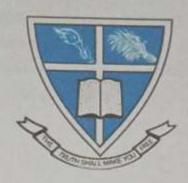


CERTIFICATE OF COMPLETION

This is to certify that the project entitled EFFECT OF DROUGHT AND SALT STRESS ON SEED GERMINATION OF BAJRA MILLET (Cenchrus americanus (L.) Morrone) is submitted by ANANDHU KRISHNA K S (200021023846) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. Priya M P. The work is carried out as an in-house project by the student.

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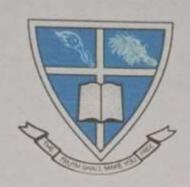
CERTIFICATE OF COMPLETION

This is to certify that the project entitled "A STUDY ON THE PRODUCTION OF BIOCHAR FROM Pennisetum pedicellatum Tan. and Tridax procumbens L. AND ITS APPLICATION IN INDUSTRIAL DYE ADSORPTION" is submitted by ELSHA M ELIAS (200021023853) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. Anumol Jose. The work is carried out as an in-house project by the student.

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "A COMPARITIVE STUDY ON THE MORPHOLOGY AND ANATOMY OF SELECTED SPECIES OF THE GENUS Abelmoschus." is submitted by AFRA V A (200021023843) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of DR. M Anilkumar. The work is carried out as an in-house project by the student.

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "EFFECT OF PARACETAMOL AND AMOXICILLIN COMPOUND ON GROWTH OF RADICLE IN Vigna radiata is submitted by PRATHEWSH M P (200021023874) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Ms Sainaba A A. The work is carried out as an in-house project by the student.

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "THE COMPARATIVE STUDY ON SPECTROPHOTOMETRIC ANALISYS OF CHLOROPHYLL AND CAROTENOID PIGMENTS FROM ANNATTO CARROT YELLOW CORN AND TOMATO " is submitted by ASIYA M A (200021023869) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science under the guidance of Dr. Reshmi G R. The work is carried out as an in-house project by the student.

Ja Jargaria

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "STUDIES ON DRACAENA PLANT DIVERSITY OF UNION CHRISTIAN COLLEGE ALUVA" is submitted by NIKHITHA LAL (200021023857) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science under the guidance of Dr. Justin R Nayagam. The work is carried out as an in-house project by the student.

Signature of Guide

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(Affiliated to Mahatma Gandhi University Kottayam)



CERTIFICATE OF COMPLETION

This is to certify that the project entitled "STUDIES ON EXCOECARIA COCHINCHINENSIS LOUR DIVERSITY OF UNION CHRISTIAN COLLEGE, ALUVA" is submitted by FATHIMA O A (200021023854) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science under the guidance of Dr. Justin R Nayagam. The work is carried out as an in-house project by the student.

Signature of Guide

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "STUDIES ON CROTON DIVERSITY OF UNION CHRISTIAN COLLEGE ALUVA" is submitted by SREELAKSHMI N S (200021023863) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science under the guidance of Dr. Justin R Nayagam. The work is carried out as an in-house project by the student.

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "STUDIES ON CORDYLINE PLANT DIVERSITY OF UNION CHRISTIAN COLLEGE ALUVA" is submitted by AKSHAYA O S (200021023845) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science under the guidance of Dr. Justin R Nayagam. The work is carried out as an in-house project by the student.

Signature of Guide

Signature of HoD

04/05/2023

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "EFFECT OF MEFENAMIC ACID AND AZITHROMYCIN ON GROWTH OF RADICLE IN Vigna radiata" is submitted by ANEENA JOHN (200021023866) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of MS Sainaba A A. The work is carried out as an in-house project by the student.

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "ANTHOCYANIN VARIATIONS IN DIFFERENT COLOUR VARIANTS OF BOUGAINVILLEA SPECIES" is submitted by ELDHOSE V K (200021023852) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. M Anilkumar. The work is carried out as an in-house project by the student.

Signature of Guide

Signature of HoD

04105/2023

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "A SURVEY ON THE MEDICINAL PLANTS USED IN THE PREPARATION OF NEELIBRINGATHI HAIR OIL" is submitted by ROSE ANN MARY PAUL (200021023860) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. M Anilkumar. The work is carried out as an in-house project by the student.

Signature of Guide

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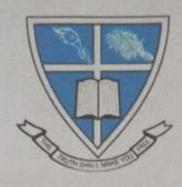


CERTIFICATE OF COMPLETION

This is to certify that the project entitled "Phytochemical studies on Aloe vera (L.) Burm.f" is submitted by ANNA SAJU (200021023867) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. Anilkumar M. The work is carried out as an in-house project by the student.

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CERTIFICATE OF COMPLETION

This is to certify that the project entitled "A STUDY ON THE PRODUCTION OF BIOCHAR FROM Ludwigia Peruviana (L.) H.Hara AND ITS APPLICATION IN INDUSTRIAL DYE ADSORPTION" is submitted by ANUPAMA K A (200021023848) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science Botany under the guidance of Dr. Anumol Jose. The work is carried out as an in-house project by the student.

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DEPARTMENT OF BOTANY

(Affiliated to Mahatma Gandhi University Kottayam)



CERTIFICATE OF COMPLETION

This is to certify that the project entitled "A COMPARATIVE STUDY ON THE STOMATAL INDICES OF XEROPHYTE MESOPHYTE HYDROPHYTE" is submitted by NABEESATHUL MISIRIYA (200021023872) in partial fulfilment of the requirements for the award of the Degree in Bachelor of Science under the guidance of Dr. M Anilkumar. The work is carried out as an in-house project by the student.

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M.Sc. Botany

Supporting Documents: 26



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UNION CHRISTIAN COLLEGE, ALUVA (Affiliated to Mahatma Gandhi University, Kottayam, Kerala)

Reaccredited with 'A' Grade by NAAC (IV cycle) Aluva - 683 102, Ernakulam Dist., Kerala. Ph: +91 484 2609194, 8281811703 Email: ucc@uccollege.edu.in Website: www.uccollege.edu.in



pr. M. ANILKUMAR Head of the Department of Botany

Date 18/09 /23

CERTIFICATION OF COMPLETION

This is to certify that the project entitled "A comparative study of drought and salt stress tolerance in seed germination of two millets: sorghum (Sorghum bicolor(L)Moench) and foxtail millet (Seteria italica(L) P. Beauvois)." submitted by Sreekala T, M.Sc. Botany (2021 - 2023), Reg. No. 2100011009300 in partial fulfilment of the requirements for the award of the degree in Master of Science under the guidance of Dr. Priya MP. The work is carried out as an in-house project by the student.

Head of the department

Dr. M. ANILKUMAR, Ph.D Associate Professor & Head Department of Botany Union Christian College Aluva, Ernakulam-683102, Kera



(Affiliated to Mahatma Gandhi University) Alwaye-2 Ernakulam (District) Kerala, India Re-accredited by National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that this project work entitled "A comparative study of drought and salt stress tolerance in seed germination of two millets: sorghum (Sorghum bicolor (L.) Moench) and foxtail millet (Seteria italica (L.) P. Beauvois)" submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Master of Science in Botany is a record of original work done by SREEKALA T, M.Sc. Botany (2021-23), Reg no: 210011009300, during the period of her study under my supervision and guidance. No part of the project work has been submitted by her for any other degree, diploma, or similar title before.

Aluva

September 2023

> on 22/2/2003

Assistant professor

Department of Botany

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Dr. M. ANILKUMAR Head of the Department of Botany

Date 19/09/2023

CERTIFICATION OF COMPLETION

This is to certify that the project entitled "Effect of paracetamol, ibuprofen and diclofenac on growth of radicle in Vigna radiata" submitted by Sreehari V S. M.Sc. Botany (2021 - 2023), Reg. No. 2100011009299 in partial fulfilment of the requirements for the award of the degree in Master of Science under the guidance of Ms. Sainaba A A. The work is carried out as an in-house project by the student.

Dr. M. Anilkum

Head of the Department
Dr. M. ANILKUMAR, Ph.D
Associate Professor & Head
Department of Botany
Union Christian College
Ahrva, Ernakulam-683102, Karala



(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

is to certify that the Dissertation "Effect of entitled paracetamol, ibuprofen and diclofenac on growth of radicle in Vigna radiata" submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Master of science in Botany is a record of review work done by Sreehari V S. M.Sc. Botany (2021 - 2023), Reg no: 200011009299 during the period of her study under my supervision and guidance and that it has not previously formed the basis for the award of any degree or fellowship or similar titles of university.

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Department of Botany
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Dr. M. ANILKUMAR Head of the Department of Botany

Date 18/9/23

CERTIFICATION OF COMPLETION

This is to certify that the project entitled "Molecular Docking of Selected Phytochemicals of 'Dasapushpam' against Nipah Virus Attachment Glycoprotein and its' comparison with Ribavirin." submitted by Rinnu Jose, M.Sc. Botany (2021 - 2023), Reg. No. 2100011009294 in partial fulfilment of the requirements for the award of the degree in Master of Science under the guidance of Dr. M. Anilkumar. The work is carried out as an in-house project by the student.

Dr. M. WASTERES ociate Professor & epartment of Botan Union Christian Coll Union Christian College Aluva Ernakulani 013102



(Affiliated to Mahatma Gandhi University, Kottayam, Kerala) Reaccredited with 'A' Grade by NAAC (IV cycle)

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Dr. M. ANILKUMAR Head of the Department of Botany

Date | 8 9 23

CERTIFICATE

This is to certify that the dissertation entitled "Molecular Docking of Selected Phytochemicals of 'Dasapushpam' against Nipah Virus Attachment Glycoprotein and its' comparison with Ribavirin." submitted to Mahatma Gandhi University is an original piece of work done by Rinnu Jose (210011009298) for the award of Master of Science in Botany (2021-23) under my supervision and guidance.

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Dr. M. Anilkumar

Associate Professor & Head Department of Botany Union Christian College Aluva, Ernakulam-683102, Kerala

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UNION CHRISTIAN COLLEGE, ALUVA

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Dr. M. ANILKUMAR Head of the Department of Botany Date 18 09 23

CERTIFICATION OF COMPLETION

This is to certify that the project entitled "A comparative study of drought and salt stress tolerance in seed germination of two millets: pearl millet (Pennisetum glaucum (L.) R. Br.) and finger millet (Eleusine coracana Gaertn.)" submitted by Parvathy Suresh, M.Sc. Botany (2021 - 2023), Reg. No. 2100011009297 in partial fulfilment of the requirements for the award of the degree in Master of Science under the guidance of Dr. Priya M P. The work is carried out as an in-house project by the student.

Dr. M. Anilkuma

Head of the Department
M. ANILKUMAK, Ph.D
Associate Professor & Head
Department of Botany
Union Christian College
Aluva, Ernakulam-683102, Kerala



(Affiliated to Mahatma Gandhi University) Alwaye-2 Ernakulam (District) Kerala, India Re-accredited by National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that this project work entitled "A comparative study of drought and salt stress tolerance in seed germination of two millets: Pearl millet (Pennisetum glaucum (L.) R. Br.) and finger millet (Eleusine coracana Gaertn.)" submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Master of Science in Botany is a record of original work done by PARVATHY SURESH, M.Sc. Botany (2021-23), Reg no: 210011009297, during the period of her study under my supervision and guidance. No part of the project work has been submitted by her for any other degree, diploma, or similar title before.

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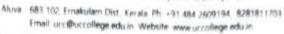
Assistant professor

Department of Botany

2. Dr. Barjai E.C. Boix



(Affiliated to Mahatma Gandhi Liniversity Kottayam Kerala). Reaccredited with A Grade by NAAC (N cycle).





Dr. M. ANILKUMAR Head of the Department of Botany

Date 18 9 23

CERTIFICATION OF COMPLETION

This is to certify that the project entitled "Isolation, Identification and Molecular Characterization of Endophytes in Aloe vera (L.) Burm. f." submitted by Gopika S Nampoothiri. M.Sc. Botany (2021 - 2023), Reg. No. 2100011009294 in partial fulfilment of the requirements for the award of the degree in Master of Science under the guidance of Dr. M. Anilkumar. The work is carried out as an in-house project by the student.

Dr. M. Anilkum

Guide and Head

Dr. M. ANILKUMAR, Ph.D.
Associate Professor & Head
Department of Botany
Union Christian College
Aluva, Ernakulam-683102, Kerala



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Dr. M. ANILKUMAR Head of the Department of Botany

Date 1 8 9 23

CERTIFICATE

This is to certify that the dissertation entitled "Isolation, Identification and Molecular Characterization of Endophytes in Aloe vera (L.) Burm. f." submitted to Mahatma Gandhi University is an original piece of work done by Gopika S Nampoothiri (210011009294) for the award of Master of Science in Botany (2021-23) under my Jan Solglan supervision and guidance.

1. Dr. Susolu. N Sah



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Dr. M. ANILKUMAR

Head of the Department of Botany

Date 18 - 9 - 23

CERTIFICATION OF COMPLETION

This is to certify that the project entitled "Invitro propagation and phytochemical screening of *Tridax procumbens*." submitted by Nivya C, M.Sc. Botany (2021 - 2023). Reg. No. 2100011009296 in partial fulfilment of the requirements for the award of the degree in Master of Science under the guidance of Dr. Manju M. George. The work is carried out as an in-house project by the student.

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Head of the Department
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CERTIFICATE

This is to certify that the Dissertation entitled "IN VITRO PROPAGATION USING DIFFERENT HORMONES AND PHYTOCHEMICAL SCREENING IN TRIDAY PROCUMBENS " SCHOOL 10 Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Master of science in Botany is a record of review work done by NIVYA C. M.Sc. Botany (2021 - 2023). Reg no: 210011009296 during the period of her study under my supervision and guidance and that it has not previously formed the basis for the award of any degree or fellowship or similar titles of university.

Aluva

September, 2023

Dr. Manju M. George

Supervising guide Faculty

Department of Botany

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1. Dr. Sendu. N Solales.

2. Dr. Bayin E.C.



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Dr. M. ANILKUMAR Head of the Department of Botany

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CERTIFICATION OF COMPLETION

This is to certify that the project entitled "Invitro propagation and phytochemical screening Aristolochia indica." submitted by Devika S, M.Sc. Botany (2021 - 2023), Reg. No. 2100011009292 in partial fulfilment of the requirements for the award of the degree in Master of Science under the guidance of Dr. Manju M. George. The work is carried out as an in-house project by the student.

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CERTIFICATE

This is to certify that the Dissertation entitled "IN VITRO PROPAGATION USING DIFFERENT HORMONES AND PHYTOCHEMICAL SCREENING IN ARISTOLOCHIA INDICA" Submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award Of degree of Master of Science in Botany is a record of review work done by Devika S, M.Sc. Botany (2021 - 2023), Reg no: 210011009293 during the period of her study under my supervision later of selaluras and guidance and that it has not previously formed the basis for the award of any degree or fellowship or similar titles of university.

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Assistant professor

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Dr. M. ANILKUMAR Head of the Department of Botany

Date 18 . 09 . 2023

CERTIFICATION OF COMPLETION

This is to certify that the project entitled "Production, characterization and application studies of biochar prepared from Ludwigia peruviana(L)H. Hara and Quisqualis indica L." submitted by Varsha T C, M.Sc. Botany (2021 - 2023), Reg. No. 2100011009301 in partial fulfilment of the requirements for the award of the degree in Master of Science under the guidance of Dr. Anumol Jose. The work is carried out as an in-house project by the student.

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Dr. Anumol Jose

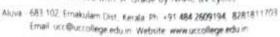
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pr. M. ANILKUMAR Head of the Department of Botany Date 18/09/23

CERTIFICATION OF COMPLETION

This is to certify that the project entitled "A STUDY ON DYE ABSORPTION CAPACITY OF BIOCHAR PREPARED FROM Acrosticum aureum L. AND Tridax procumbens L. submitted by Megha Mohan, M.Sc. Botany (2021 - 2023), Reg. No. 2100011009295 in partial fulfilment of the requirements for the award of the degree in Master of Science under the guidance of Dr. Anumol Jose. The work is carried out as an in-house project by the student.

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Assistant professor

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Date 18/09/2023

CERTIFICATION OF COMPLETION

This is to certify that the project entitled "ANALYTIC STUDY ON CHLOROPHYLL, CAROTENOIDS AND PHENOL CONTENT IN POPULAR CITRUS FRUIT SPECIES AND ITS COMPARISON WITH COMMERCIAL CITRUS FRUIT JUICES" submitted by Aparna Sunil, M.Sc. Botany (2021 - 2023), Reg. No. 2100011009291 in partial fulfilment of the requirements for the award of the degree in Master of Science under the guidance of Dr. Justin R Nayagam. The work is carried out as an in-house project by the student.

Dr. M. Antikumah

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CERTIFICATE

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ir. M. ANILKUMAR and of the Department of Botany Date 18/9/202

CERTIFICATE OF COMPLETION

This is to certify that the project entitled "Anti-quorum sensing and anti-biofilm activity of Acmella ciliata (Kunth) Cass. and Centella asiatica (L.)

Urb. against biofilm forming isolates from oral buccal cavity" is submitted by Anjana M B, M.Sc. Botany (2021 - 2023), Reg no: 210011009290 in partial fulfilment of the requirements for the award of the degree in Master of Science under the guidance of Dr. Reshmi G R. The work is carried out as an in-house project by the student.

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Date 18/07/2622

CERTIFICATION OF COMPLETION

This is to certify that the project entitled "GLANDULAR ANATOMY AND FRUIT QUALITY ASSESSMENT ON EIGHT COMMERCIAL CITRUS SPECIES" submitted by Beegum Safoora K M, M.Sc. Botany (2021 - 2023), Reg. No. 2100011009292 in partial fulfilment of the requirements for the award of the degree in Master of Science under the guidance of Dr. Justin R Nayagam. The work is carried out as an in-house project by the student.

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Date 18 07 23

CERTIFICATE OF COMPLETION

This is to certify that the project entitled "Anti-biofilm and quorum quenching activity of Cinnamomum verum J. Presl and Bauhinia acuminata L. against biofilm forming isolates from oral buccal cavity" is submitted by Anagha M B. M.Sc. Botany (2021 - 2023), Reg no: 210011009289 in partial fulfilment of the requirements for the award of the degree in Master of Science under the guidance of Dr. Reshmi G R. The work is carried out as an in-house project by the student.

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September, 2023

Dr. Reshmi G R

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