

DEPARTMENT OF HISTORY
U.C. COLLEGE, ALUVA



CERTIFICATE

This is to certify that the protect work entitled, *The Untouchables and their Struggles for Temple Entry*, is an authentic record of research work done by Abana Haris, Abhilash A.S, Albin Nelson, Amritha Manu C.M., Kavyasree E.P. of final B.A. History as a part of the requirement for the award of the Degree of Bachelor of Arts in History of Mahatma Gandhi University, Kottayam, during the Academic Year 2018 – 2021.


Ms. Ahira P. Kumar.
Guest Lecturer
Department of History
U.C. College, Aluva.


Ms. Juby John
Head, Dept. of History
U.C. College, Aluva.

DEPARTMENT OF HISTORY
UNION CHRISTIAN COLLEGE, ALUVA



CERTIFICATE

This is to certify that the project work entitled, **Sovereignty to Non-entity: Alangad, Kerala**, is an authentic record of research work done by **Amalraj K.R, Bincitta S.George, Fathima Beevi P.A, Rakhimol P.R and Vibitha K.Kunjumon** of VI Semester B.A. History as a part of the requirement for the award of the degree of Bachelor of Arts in History of Mahatma Gandhi University, Kottayam, during the academic year 2018-2021.

Miss Juby John

HoD, Department of History
Union Christian College, Aluva

Dr. Jenee Peter

Guide, Assistant Professor

UNION CHRISTIAN COLLEGE, ALUVA



CERTIFICATE

This is to certify that the dissertation entitled, “**Historicizing Kappiri Muthappan: A study of the cult of Kappiri Muthappan of Kochi**” is an authentic record of research work done by Ashna. A ,Keerthana Murali, Megha Sunny ,Pramitha M Pradeep ,Safuvan M . During the academic year 2018-2021 in partial fulfilment for the award of Bachelor of Arts in History done under my guidance and supervision. The work presented in this project has not been submitted for any degree, diploma or title.


Ms. Ruby John

Head of Department

Dr. Shela Mary Varghese

Supervising Guide

Submitted for the examination held on:

July 2021

**DEPARTMENT OF HISTORY
U.C. COLLEGE, ALUVA**



CERTIFICATE

This is to certify that the protect work entitled,
"മാധവിക്കുട്ടി കഥാപാത്രങ്ങളിലെ സ്ത്രീപക്ഷ
പുനർവായന.", is an authentic record of research work done by
Cheria Varghese, Afsal M.M,Minu M.B,Shamna N.S, Haritha V.H of
final B.A. History as a part of The requirement for the award of the
Degree of Bachelor of Arts in History of Mahatma Gandhi University,
Kottayam, during the Academic Year 2018 – 2021.



Ms. Tresa Divya T. J
Assistant professor
Department.Of History
U.C College Aluva



Ms. Juby john
Head.of Dept.
Department.Of History
U.C. College, Aluva



CERTIFICATE

This is to certify "Treatise On a Progressive Environmentalist Sakthan Thampuran; The Architect Of Thrissur" is a bonafide record of the Project work done by Pareekshith R S (Reg.No 180021017937), Pavithra G (Reg.No 180021017938), Rincy Fathima E.B (Reg.No 180021017943), Sarath K (Reg.No 180021017945), Shona T.S (Reg.No 180021017947), Semester 6 (B.A History 2018-2021), Union Christian College, Aluva in the partial fulfillment of requirements for the award of Bachelor of Arts Degree in History of Mahatma Gandhi University, Kottayam.

Dr. Twincy Varghese
Assistant Professor
Department of History

Ms. Ruby John
Head of Department of History
Union Christian College
Aluva



CERTIFICATE

This is to certify that the dissertation entitled, "*The Moustache Effect: Excavating Malayalam Cinema*" is an authentic record of the research work done by Mileena Saju (Reg. No: 180021017350), Vani Ravi (180021017949), Nizma T K (180021017936), Aysha Ali (180021017923), Pridhyuraj Sunil (180021017940) during the academic year 2018-2021 in partial fulfilment for the award of Bachelor of Arts in History done under my guidance and supervision. The work presented in this project has not been submitted for any degree, diploma or title.

Ms. Ruby John
Head of the Department

Dr. Sebastian Joseph
Assistant Professor

Submitted for the examination held on:
Aluva

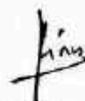
CERTIFICATE

This is certified that the project work entitled "COMPARATIVE STUDY OF BIODIESEL SYNTHESISED FROM COOKING OIL AND LAMP OIL" is bonafied work carried out by ABHIRAMI PM, ABHIRAMI VM AND ABHISHEK GR under the supervision of Dr.Jenish Paul, Assistant Professor, Department of chemistry, Union Christian College Aluva – 2, in partial fulfilment of the requirement of degree of bachelor science in pure chemistry.



Dr. Jenish Paul

Project guide

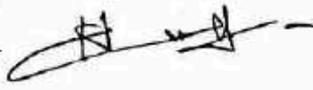


Ms. Minu Joys

Head of the Department

External Examiners

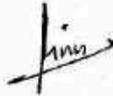
1) Dr. Ajalish. B. Nair 

2) Neethusel Varghese 

3)

CERTIFICATE

This is certified of that the project work entitled " WATER QUALITY ANALYSIS OF SELECTED AREAS OF ELOOR MUNICIPALITY OF ERNAKULAM DISTRICT" is a bonafide work carried out by AHSANA C.S,AISWARYA T.R and AKHIL YOHANNAN under the supervision of Ms.Minu Joys, Assistant professor, Department of Chemistry, Union Christian College, Aluva, in partial fulfillment of the requirement of degree of bachelor of science in pure chemistry.

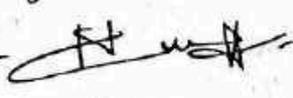


Ms. Minu Joys.
Project guide.
Department of Chemistry.
U.C.College, Aluva.



Ms.Minu Joys
Head of the Department
Department of Chemistry
U.C. College, Aluva

External examiners

1. Dr. Ajalish. b. Nair 
2. Neethu, mol Varghese 

CERTIFICATE

This is certified of that the project work entitled " **GREEN SYNTHESIS OF SCHIFFS BASE USING GRINDSTONE METHOD CATALYZED by *Averrhoa bilimbi***" is a bonafied work carried out by **ALLEN T SIMON, AMALA P JAMES AND ANAGHA TITUS V.** under the supervision of Dr. Simi Pushpan K, Assistant professor, Department of Chemistry, Union Christian College, Aluva, in partial fulfillment of the requirement of degree of bachelor of science in pure chemistry.

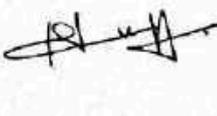


Dr. Simi Pushpan K
Project guide
Department of Chemistry
U.C.College, Aluva



Ms. Minu Joys
Head of the Department
Department of Chemistry
U.C.College, Aluva

External examiners

- 1) Dr. Ajalesh. B. Nair 
- 2) Dr. Neethus of Verghese 

**DEPARTMENT OF CHEMISTRY
UNION CHRISTIAN COLLEGE, ALUVA**



CERTIFICATE

This is certified that the project work entitled "COBALT FERRITE AND ASCORBIC ACID COATED COBALT FERRITE NANOPARTICLES: SYNTHESIS AND CHARACTERIZATION" is bonafide work carried out by ANIRUDHAN . S , ANISHNA ANTO and ANUJA T.R , under the supervision of Dr. AJALESH .B. NAIR , Assistant professor, Department of Chemistry, Union Christian College Aluva-2, in partial fulfilment of requirement of degree of Bachelor of Science in Pure Chemistry.

Dr. AJALESH B. NAIR

Project Guide

Ms. MINU JOYS

Head of the department

External Examiners:

- 1) Dr. Ajalesh. B. Nair
- 2) Neethuraj Varghese

DEPARTMENT OF CHEMISTRY
UNION CHRISTIAN COLLEGE, ALUVA

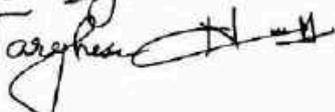
CERTIFICATE

This is to certify that this project entitled "*SYNTHESIS AND CHARACTERIZATION OF MgO NANOPARTICLE BY SPINACH LEAVES THROUGH GREEN METHOD*" submitted by Aparna K M, Aparna S, & Aparna V Menon for the award of B.Sc. Degree in Chemistry is an authentic record or project work carried out under my supervision and guidance.

Forwarded by,
Ms. Minu Joys 
Assistant Professor
Head of the Department
Union Christian College, Aluva


Dr. Nelson Joseph P
Assistant Professor
Union Christian College, Aluva

Evaluated the Project Report:

Signature of the Examiner: ① Dr. Ajalesh. B. Naik 
② Dr. Neethumal Varghese 

DEPARTMENT OF CHEMISTRY
UNION CHRISTIAN COLLEGE, ALUVA



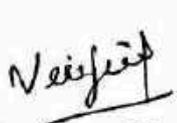
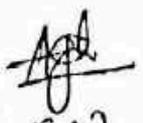
CERTIFICATE

This is certified that the project work entitled "EXPLOITING THE EXTRACTS OF MORINGA OLEIFERA PLANT FOR THE GREEN SYNTHESIS AND CHARACTERIZATION OF ZnO NANOPARTICLES" is a bonafide work carried out by APARNA M ROY, ARJUN DILEEP AND ASHKAR ALI B under the supervision of Dr. Neethumol Varghese, Assistant Professor, Department of chemistry, Union Christian College Aluva - 2, in partial fulfilment of the requirement of Degree of Bachelor of Science in Chemistry.

Forwarded by,

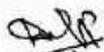

Ms. Minu Joys
Head of the Department
Department of Chemistry
Union Christian College, Aluva


Dr. Neethumol Varghese
Assistant Professor.
Department of Chemistry
Union Christian College, Aluva



① Dr. Ajallesh B. Nair
② Dr. Neethumol Varghese 

CERTIFICATE

This is to certify that the project work entitled "Qualitative Phytochemical Analysis of Extracts of Expectorants Towards Covid-19" submitted by ASIF MUHAMMED, ASWATHY ANILKUMAR AND ATHIRA SHAJI for the award of Degree of Bachelor of Science in Chemistry is a record bonafide work done by her in Department of Chemistry, Union Christian College, Aluva.



Dr. Divya Susan Philips

Project Supervisor

Assistant Professor,

Department of Chemistry

Union Christian College, Aluva



Forwarded by:

Ms. Minu Joys

Head of the Department

Department of Chemistry

Union Christian College, Aluva

Place: Aluva

Date :

Verified.

1. Dr. Ajalish. B. N. Aja

2. Dr. Neethmozil Varghese

CERTIFICATE

This is certify that this project entitled "PREPARATION OF BIOPLASTIC FROM BANANA PEEL AND TAPIOCA STARCH AND COMPARING THEIR BIODEGRADABILITY" submitted by **BINIL P ELDHO** for the award of BSc Degree in Chemistry is an authentic record or project work carried out under my supervision and guidance.


Dr. Sunil sekhar A.C
Project Guide

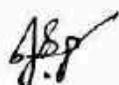

Ms. Minu Joys
Head of the department

External Examiners:

- 1) Dr. Ajalesh. S. Nair 
- 2) Dr. Neethumol Varghese 

CERTIFICATE

This is certified that the project work entitled "COMPARATIVE STUDY OF BIODIESEL SYNTHESISED FROM COOKING OIL AND WASTE COOKING OIL" is bonafide work carried out by **BRINDA SASIKUMAR, CHANDANA AND CHARUTHA V L** under the supervision of Dr. Jenish Paul, Assistant Professor, Department of chemistry, Union Christian College Aluva - 2, in partial fulfilment of the requirement of degree of bachelor science in pure chemistry.



Dr. Jenish Paul

Project guide



Ms. Minu Joys

Head of the Department

External Examiners

1) Dr. Ajalish. B. Niv 

2) Neethumol Varghese 

CERTIFICATE

This is certified of that the project work entitled " WATER QUALITY ANALYSIS OF SELECTED AREAS OF ELOOR MUNICIPALITY OF ERNAKULAM DISTRICT" is a bonafide work carried out by DEVIKA K.M,DINESH SANKAR and DIYA SABU under the supervision of Ms.Minu Joys, Assistant professor, Department of Chemistry, Union Christian College, Aluva, in partial fulfillment of the requirement of degree of bachelor of science in pure chemistry.



Ms. Minu Joys.
Project guide.
Department of Chemistry.
U.C.College, Aluva.

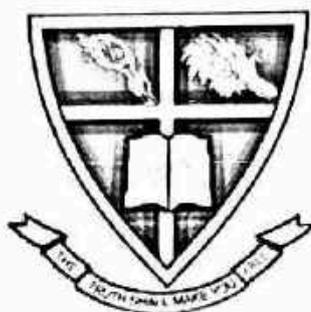


Ms.Minu Joys
Head of the Department
Department of Chemistry
U.C. College, Aluva

External examiners

1. Dr. Ajalesh. B. Nair 
2. Neethumal Varghese 

DEPARTMENT OF CHEMISTRY
UNION CHRISTIAN COLLEGE ALUVA



This is to certify that this project entit "**Grindstone Assisted Solvent-free Green Synthesis of schiff bases and their Characterization**" submitted by **ELNA ELIAS , GAYATHRY K NAIR , GOVIND P V** for award of B.Sc degree in chemistry is an authentic record or project work carried out under my supervision and guidance .

Forwarded By ,

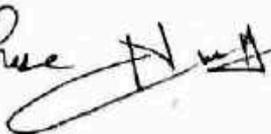

Ms. Minu Joys
Head of the department
Department of chemistry


Dr. Simi Pushpan K
Assistant Professor
Department of chemistry

Union Christian College Aluva

Evaluated the project : *Verified by* *K. Ajalath. B.N* *AA*

Signature of examiner : 1. *Dr. Simi Pushpan K* 

2. *Neethurool Varghese* 

CERTIFICATE

This is to certify that the project work entitled "Cobalt Ferrite and (Poly Ethylene Glycol) Coated Cobalt Ferrite Nanoparticle: Preparation and Characterisation" is a bonafide work carried out by HABEEBA HAMEED, HELENA POULOSE and JOSEPHINA K J, under the supervision of Dr. AJALESH B NAIR , Assistant professor and research guide, Department of Chemistry, Union Christian College, Aluva-2, in partial fulfilment of requirement of degree of bachelor of science in pure chemistry.



Dr. AJALESH B NAIR

Supervising Teacher

Department of Chemistry

U.C.College, Aluva



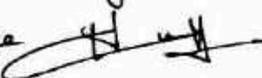
Ms. MINU JOYS

Head of Department

Department of Chemistry

U.C.College, Aluva

External examiners

- 1) Dr. Ajalesh B. Nair 
- 2) Neethamol Varghese 

DEPARTMENT OF CHEMISTRY UNION CHRISTIAN
COLLEGE, ALUVA

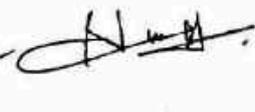
CERTIFICATE

This is to certify that this project entitled "*GREEN SYNTHESIS AND CHARACTERIZATION OF COPPER OXIDE NANOPARTICLES USING AZIDIRACHTA INDICA LEAVES*" submitted by Jovan Warson, Lakshmisayoojya T S, Lal Babu and Subesa Moorthy E for the award of B.Sc. Degree in Chemistry is an authentic record or project work carried out under my supervision and guidance.

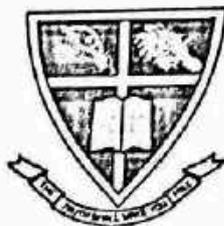
Forwarded by,
Ms. Minu Joys 
Assistant Professor
Head of the Department
Union Christian College, Aluva


Dr. Nelson Joseph P.
Assistant Professor
Union Christian College, Aluva

Evaluated the Project Report:

Signature of the Examiner: (1) Dr. Ajalesh B. Nair 
(2) Dr. Neethumal Varghese 

DEPARTMENT OF CHEMISTRY
UNION CHRISTIAN COLLEGE, ALUVA



CERTIFICATE

This is to certify that this project entitled " EUGENOL EXTRACTION FROM CINNAMON ZEYLANICUM " submitted by LIZ DAVIS, MARIA JOY, MARIYAM ASAF ALI, SULTHANA K.S for the award of Bachelor of Science Degree in Chemistry is an authentic record of project work carried out under my supervision and guidance.

Forwarded by,


Ms. Minu Joys
Head of Department,
Department of Chemistry,
Union Christian College,
Aluva.


Dr. Neethumol Varghese
Assistant Professor,
Department of Chemistry,
Union Christian College,
Aluva.


① Dr. Ajalesh B. Nair
② Dr. Neethumol Varghese 

CERTIFICATE

This is to certify that the project work entitled " **Natural Antipyretics and their Role in Covid-19 Treatment** " which is submitted by **MEERA SUBRAMANNYAN, RETHUVARNA N.K., SAIKRISHNA T.J. and SANDRA C.S.** for the award of Degree of Bachelors of Science in Chemistry is a bonafide record of work done by us in the Department of Chemistry, Union Christian College, Aluva.

Divya

Dr. DIVYA SÚSAN PHILIPS
Project Supervisor
Assistant Professor,
Department of Chemistry
Union Christian College, Aluva

Minu

Forwarded by:
Ms. MINU JOYS
Head of the Department
Department of Chemistry
Union Christian College, Aluva

Place: Aluva

Date:

Verified

1. **Dr. Ajalesh. B. Nair** *Ajalesh*

2. **Dr. Neethamol Varghese** *Neethamol*

CERTIFICATE

This is certified that the project work entitled "GREEN SYNTHESIS OF ZnO NANOPARTICLES USING *OCIMUM TENUIFLORUM*" is bonafide work carried out by **SHIBIN SHABU**, **SOFIA RACHEL SUNIL**, **SREELAKSHMI K.G** and **VISALA DAS**, under the supervision of Dr. Sunil Sekhar A C , Assistant professor, Department of chemistry, Union Christian College Aluva-2, in partial fulfilment of requirement of degree of bachelor of science in pure chemistry.

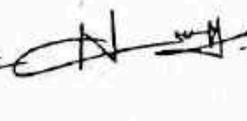


Dr. Sunil Sekhar A C
Project Guide



Ms. Minu Joys
Head of the department

External Examiners:

- 1) Dr. Ajalesh. B. Dain 
- 2) Dr. Neethuroop Varghese 

Union Christian College, Aluva

CERTIFICATE

This is to certify that the project entitled "PREPARATION AND CHARACTERISATION OF TITANIUM DIOXIDE NANOTUBE" has been submitted to the Department of Physics, Union Christian College, Aluva which is (affiliated to Mahatma Gandhi University) during the academic year 2018-2021 for the fulfilment of the requirement for the award of the Degree of bachelor in physics by the student.

Fathima Beevi V.H
(180021040284)



Dr. Shinoj V.K
(Project guider)



Dr. Alex Mathew
(Head of the Department)

Union Christian College, Aluva

CERTIFICATE

This is to certify that the project entitled "PREPARATION AND CHARACTERISATION OF TITANIUM DIOXIDE NANOTUBE" has been submitted to the Department of Physics, Union Christian College, Aluva which is (affiliated to Mahatma Gandhi University) during the academic year 2018-2021 for the fulfilment of the requirement for the award of the Degree of bachelor in physics by the student.

INDRAJA DEVARAJAN
(180021040287)



Dr. Shinoj V.K
(Project guider)



Dr. Alex Mathew
(Head of the Department)

CERTIFICATE

UNION CHRISTIAN COLLEGE

Accredited by National Assessment and Accreditation Council (NACC)

PROJECT WORK CERTIFICATE

Certified that this is bonafide report on the Project Work entitled

“SMART TRASH BIN” Submitted by

JOPHI JOSEPH

In partial fulfilment of the requirements for the award of the degree of B.Sc. in Physics by Mahatma Gandhi University during the academic year 2018-2021 under the guidance of Dr. Alex Mathew, at Department of Physics, UNION CHRISTIAN COLLEGE, Aluva.

Submitted to the university exam held on

Internal Guide

Dr. Alex Mathew

Head of the Department

Dr. Alex Mathew



UNION CHRISTIAN COLLEGE, ALUVA



CERTIFICATE

This is to certify that the dissertation "AUTOMATIC TEMPERATURE CONTROLLED FAN" is a bonafide record of the project work carried out by Jyothi Raju in partial fulfillment for the award of the Degree of Bachelor of Science in Physics of Mahatma Gandhi University, Kottayam during the year 2021

Dr. Alex Mathew
Head of the Department
Department of Physics
U.C. College, Aluva

Dr. Alex Mathew
Faculty Guide
Department of Physics
U.C. College, Aluva

CERTIFICATE

UNION CHRISTIAN COLLEGE

Accredited by National Assessment and Accreditation Council
(NACC)

PROJECT WORK CERTIFICATE

Certified that this is bonafide report on the Project Work entitled

**“OBSTACLE AVOIDING ROBOT USING
ULTRASONIC SENSOR”**

Submitted by

LAKSHMI NANDHANA V.S

In partial fulfilment of the requirements for the award of the degree of B.Sc. in Physics by Mahatma Gandhi University during the academic year 2018-2021 under the guidance of Dr.Shinoj V.K, at Department of Physics, UNION CHRISTIAN COLLEGE, Aluva. Submitted to the university exam held on

Internal Guide



Dr.Shinoj V.K

Head of the
Department

Dr. Alex Mathew

Alex Mathew

CERTIFICATE

UNION CHRISTIAN COLLEGE

Accredited by National Assessment and Accreditation Council (NAAC)

PROJECT WORK CERTIFICATE

Certified that this is a bona fide report on the Project Work entitled
"UNDERWATER IMAGE ENHANCEMENT."

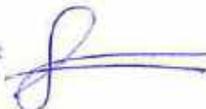
Submitted by

REMEEESA MAJEED

In partial fulfilment of the requirements for the award of the degree of B.Sc. in Physics by Mahatma Gandhi University during the academic year 2018-2021 under the guidance of Dr Shinoj V K, at Department of Physics, UNION CHRISTIAN COLLEGE, ALUVA.

Submitted to the university exam held on

Internal Guide



Dr Shinoj V K

Head of the Department



Dr Alex Mathew

Certificate

This is to certify that the project work entitled "Fabrication and Characterization of Dye Sensitized Solar Cell" is the bonafide work done by Shimja K.S under my guidance at the Department of Physics, Union Christian College, Aluva in partial fulfillment of B.Sc. Physics degree course of Mahatma Gandhi University, Kottayam.



Dr. Alex Mathew,
Head of the Department,
Department of Physics,
UC College, Aluva.



Dr. Shinoj V.K,
Assistant Professor,
Department of Physics,
UC College, Aluva.

CERTIFICATE

UNION CHRISTIAN COLLEGE

Accredited by National Assessment and Accreditation Council (NAAC)

PROJECT WORK CERTIFICATE

Certified that this is a bona fide report on the Project Work entitled

"UNDERWATER IMAGE ENHANCEMENT."

Submitted by

SREELAKSHMI A A

In partial fulfilment of the requirements for the award of the degree of B.Sc. in Physics by Mahatma Gandhi University during the academic year 2018-2021 under the guidance of Dr Shinoj V K, at Department of Physics, UNION CHRISTIAN COLLEGE, ALUVA.

Submitted to the university exam held on

Internal Guide

Dr Shinoj V K



Head of the Department

Dr Alex Mathew



CERTIFICATE

UNION CHRISTIAN COLLEGE

Accredited by National Assessment and Accreditation
Council (NAAC)

PROJECT WORK CERTIFICATE

Certified that this is bona fide report on the Project work
entitled

A REVIEW OF JEANS INSTABILITY

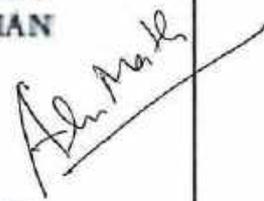
Submitted by

SRIHARI R S

in partial fulfilment of the requirements for the award of the degree of B.Sc.in
Physics by Mahatma Gandhi University during the academic year 2018-2021 under
the guidance of Dr.K Madhu. at Department of Physics, UNION CHRISTIAN
COLLEGE, ALUVA. Submitted to the university exam held on

Dr.K Madhu
Guide

Dr. Alex Mathew
Head of the Department



UNION CHRISTIAN COLLEGE
DEPARTMENT OF COMMERCE

(Affiliated to Mahatma Gandhi University - Kottayam)

UNION CHRISTIAN COLLEGE, PO Aluva-683102, KERALA
TEL: 0484 260-9194



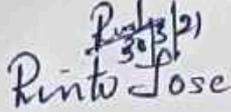
BONAFIDE CERTIFICATE

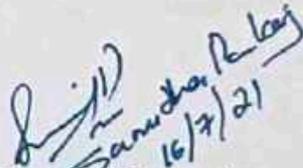
This is to certify that the dissertation entitled "A STUDY ON CONSUMER AWARENESS ON GREEN MARKETING UNDER COVID-19" is a record of original work done by ANJAY DEV (180021080302), ANNASONA M A (180021080303), ANUPRIYA ANILKUMAR (180021080304), in the partial fulfilment of the requirement for the Degree of Bachelor of Commerce under the guidance of assistant professor Mrs RINCHU ABRAHAN, Department of Commerce. It is further certified that this dissertation or any part thereof, has not been submitted elsewhere for any other degree.


RinChu Abraham
Signature of the Guide


Bisha Ey
Signature of HOD

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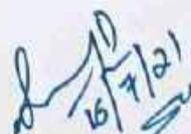
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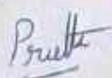
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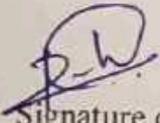
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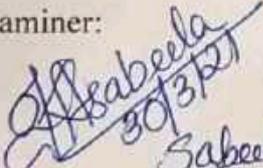
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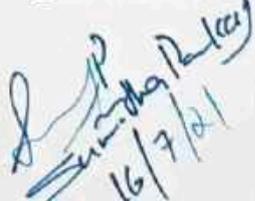

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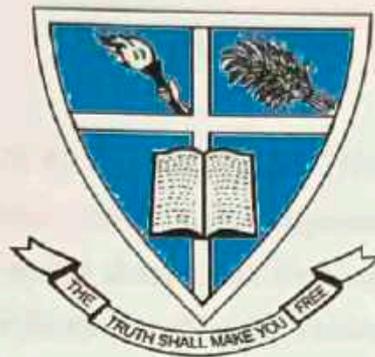
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This is to certify that the dissertation entitled “The Influence Of Covid-19 Pandemic In Changing Customers Behaviour Towards E-shopping”, is a record of original work done by Diya Byju (180021057978), Dona Mary Alias (180021057979), Fathima V A (180021057980) in the partial fulfilment of the requirement for the Degree of Bachelor of Commerce under the guidance of Asst. Prof. Rintu Jose, Department of Commerce. It is further certified that this dissertation or any part thereof has not been submitted elsewhere for any other degree.

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This is to certify that the dissertation entitled “**IMPACT OF COVID 19 ON TRANSPORTATION AND TOURISM INDUSTRY**”, is a record of original work done by **MANU RAJAN** (180021080324), **MEGHA SOORAJ** (180021080325), **MERIN P.M**(180021080326), in the partial fulfilment of the requirement for the Degree of Bachelor of Commerce under the guidance of Asst. Prof. **Mrs. PREETHA K.S**, Department of Commerce. It is further certified that this dissertation or any part thereof has not been submitted elsewhere for any other degree.

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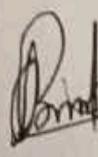
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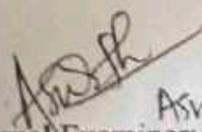

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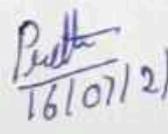
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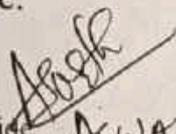
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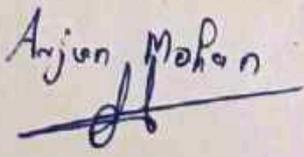
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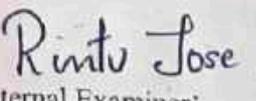
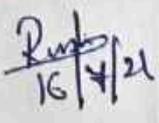
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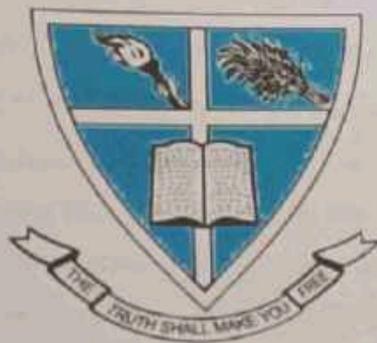
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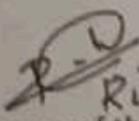
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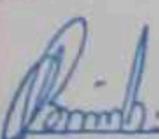
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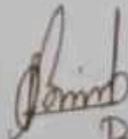


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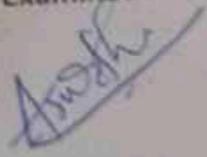
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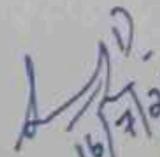

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Aswathy
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Place:

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This is to certify that the dissertation entitled "**IMPACT OF ONLINE CLASSES ON THE QUALITY WORK LIFE OF WORKING PARENTS DURING COVID-19 PANDEMIC SITUATION WITH SPECIAL REFERENCE TO PARENTS OF CHILDREN BELONGING TO THE AGE GROUP 5 TO 18**", is a record of original work done by Krishna Das P V (180021057987), Lakshmi S(180021057988), MariyaBabu M (180021057989) in the partial fulfilment of the requirement of the Degree of Bachelor of Commerce under the guidance of Asst. Prof. Arjun Mohan, Department of commerce. It is further certified that this dissertation and any part thereof has not been submitted elsewhere for any other degree.

Signature of the guide

Arjun Mohan

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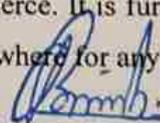


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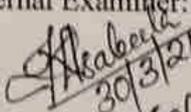
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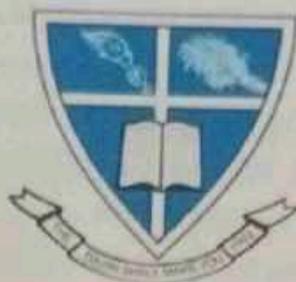
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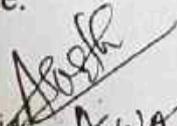
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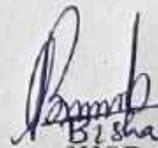
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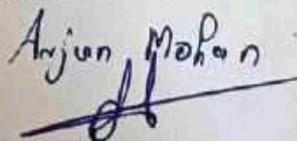

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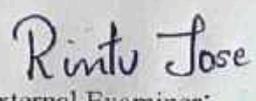

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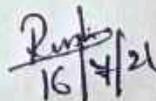
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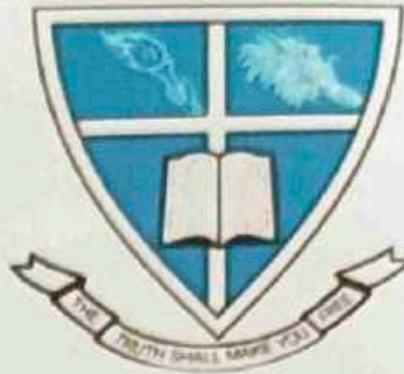
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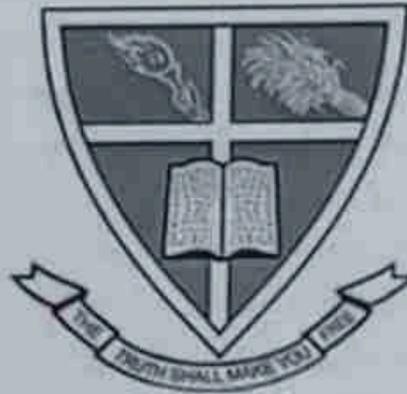
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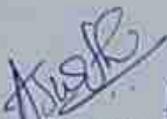

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FINAL YEAR MAIN PROJECTS
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for Mrs. Gincy Abraham
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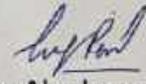
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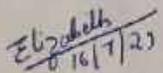
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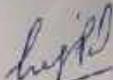
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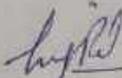
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Dr. Asha Das

Project Guide

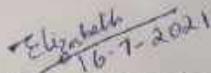
Dept. of Computer Science

f 
Mrs. Gincy Abraham

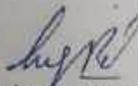
Head of the Department

Dept. of Computer Science

Submitted for the university examination held on:16/7/21.....


Elizabeth
16-7-2021
Internal Examiner




External Examiner

UNION CHRISTIAN COLLEGE ALUVA

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(NAAC)]



Department of Computer Science

CERTIFICATE

This is to certify that the main project report entitled "GYNEC E-SERVICES" submitted by AISHA AFSAL(RegNo :180021029718) and KARTHIK P S (RegNo :180021029729) in partial fulfillment of the requirements for the award of BSc in Computer Science during the academic year 2018-2021. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Computer Science.

for, Elizabeth
16/7/2021

Ms. Gincy Abraham

Project Guide & Head of the Department

Dept.of Computer Science

Submitted for the university examination held on: 16-7-2021

Elizabeth
16/7/2021

Internal Examiner



External Examiner

UNION CHRISTIAN COLLEGE ALUVA

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Department of Computer Science

CERTIFICATE

This is to certify that the main project report entitled "PSYTECH" submitted by AMEN GEORGE (Reg. No: 180021029720) and MEENAKSHY T.S (Reg. No: 180021029735) in partial fulfilment of the requirements for the award of BSc in Computer Science during the academic year 2018-2021. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Computer Science.

for, Elizabeth
16/7/2021

Dr. Asha Das

Project Guide / H.O.D

Dept. of Computer Science

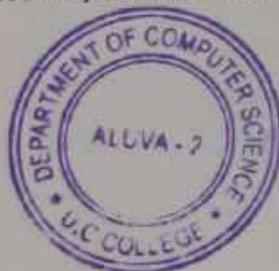
Mrs. Gincy Abraham

Head of the Department

Dept. of Computer Science

Submitted for the university examination held on: 16/7/2021

Elizabeth
16/7/2021
Internal Examiner



External Examiner

UNION CHRISTIAN COLLEGE ALUVA

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Department of Computer Science

CERTIFICATE

This is to certify that the Main Project report entitled "VOLTOUCH" submitted by FAYAZ T.K (Reg No:180021029726) and SAMYUKTHA M (Reg No:180021029739) in partial fulfilment of the requirements for the award of BSc in Computer Science during the academic year 2020 - 2021.

The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Computer Science.

Ms. Greeshma K

Project Guide

Dept. of Computer Science

for Mrs. Gincy Abraham

Head of the Department

Dept. of Computer Science

Submitted for the university examination held on: 16/7/21

Internal Examiner



External Examiner

UNION CHRISTIAN COLLEGE ALUVA

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Department of Computer Science

CERTIFICATE

This is to certify that the main project report entitled "SHECURE" submitted by Anjana Thilak (RegNo : 180021029722) and Keerthana M Nair (RegNo : 180021029730) in partial fulfillment of the requirements for the award of BSc in Computer Science during the academic year 2018-2021. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Computer Science.

Mr. Cijin K Paul

Project Guide

Dept. of Computer Science

Mrs. Gincy Abraham

Head of the Department

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Submitted for the university examination held on: 16-7-2021

Elizabeth
4/7/2021
Internal Examiner



External Examiner

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Department of Computer Science

CERTIFICATE

This is to certify that the main project report entitled "For Rent" submitted by AKSHAJ BABU T.S (Reg. No :180021029719) and SARANYA R MENON (Reg. No :180021029741) in partial fulfilment of the requirements for the award of BSc in Computer Science during the academic year 2018-2021. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Computer Science.

Dr. Asha Das

Project Guide

Dept. of Computer Science

Mrs. Gincy Abraham

Head of the Department

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Submitted for the university examination held on:16/7/2021.....

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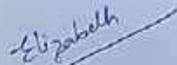
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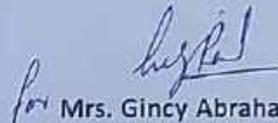
Department of Computer Science

CERTIFICATE

This is to certify that the main project report entitled "HALL 4 ALL" submitted by M.A FATHIMA NAZRIN (RegNo :180021029732) and ASHLIN MARIYA ALIAS (RegNo :180021029724) in partial fulfillment of the requirements for the award of BSc in Computer Science during the academic year 2018-2021. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Computer Science.



Mrs. Elizabeth Thomas



Mrs. Gincy Abraham

UNION CHRISTIAN COLLEGE ALUVA

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(NAAC)]



Department of Computer Science

CERTIFICATE

This is to certify that the Mini Project report entitled "HOSTEL MANAGEMENT SYSTEM" submitted by MANU SANTHOSH (Reg. No: 180021029734) and NITHIN KRISHNA (Reg. No: 180021029736) in partial fulfilment of the requirements for the award of BSc in Computer Science during the academic year 2018 - 2021. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Computer Science.

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Project Guide

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Head of the Department

Dept. of Computer Science

Submitted for the university examination held on: *16/7/21*.....

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16-7-21
Internal Examiner



hgp
External Examiner

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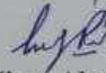


Department of Computer Science

CERTIFICATE

This is to certify that the Main Project report entitled "Metro Rail Management System" submitted by **Revathi Chandran** (Reg. No: 180021029737) and **Hibinsa Hijas** (Reg. No: 180021029728) in partial fulfilment of the requirements for the award of BSc in Computer Science during the academic year 2018-2021. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Computer Science.

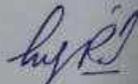

Mrs. Greeshma K
Project Guide
Dept. of Computer Science


Mrs. Gincy Abraham
Head of the Department
Dept. of Computer Science

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Internal Examiner




External Examiner

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PSYTECH

MAIN PROJECT REPORT

Submitted in partial fulfillment of the requirement for the award of the degree of

B.Sc. COMPUTER SCIENCE

By Mahatma Gandhi University, Kottayam during 2018 - 2021

Submitted by

GOKULKRISHNA (RegNo:180021029727)

ATHUL KRISHNA AG(RegNo:180021029725)

Under the guidance of Ms. **Greeshma K**

UNION CHRISTIAN COLLEGE ALUVA

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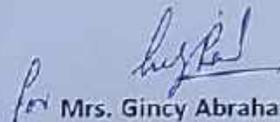
CERTIFICATE

This is to certify that the main project report entitled "HALL 4 ALL" submitted by M.A FATHIMA NAZRIN (RegNo :180021029732) and ASHLIN MARIYA ALIAS (RegNo :180021029724) in partial fulfillment of the requirements for the award of BSc in Computer Science during the academic year 2018-2021. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Computer Science.


Mrs. Elizabeth Thomas

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Mrs. Gincy Abraham

Head of the Department

Dept. of Computer Science

Submitted for the university examination held on: 16-7-2021


16-7-2021
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External Examiner

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CERTIFICATE

This is to certify that the contents of the paper entitled "**COMPREHENSIVE TRAFFIC MANAGEMENT SYSTEM: REAL TIME TRAFFIC DATA ANALYSIS USING RFID**" is an authentic report of Project presented by:

ADARSH SAM (180021029324),
ASWIN SHIJU (180021029337),
ANILA BIJU (180021029335),
SREELAYA SUDHEESH (180021029355),

in the partial fulfillment of the requirements for the award of BSc Electronics & Computer Maintenance Degree of Mahatma Gandhi University during the academic period 2020-2021

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16/7/2021

Faculty Guide



[Handwritten Signature]
16/7/2021

Head of the Department

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This is to certify that the contents of the paper entitled
"FIRE DETECTION AND MONITORING SYSTEM" is an authentic
report of project presented by:

AMAL SETHUNATH (180021029331)

AMEENA REJI (180021029333)

AYSHA REJI (180021029339)

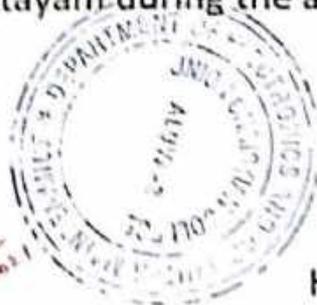
JINO JAMES (180021029347)

,in a partial fulfillments of the requirements for the award of the
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Faculty Guide

Mr.Lijo Thomas & Mr.Ajan P J

LTP
14/7/2021



Head of the Department

Mr. Akhil T V

Akhil T V
14/7/2021



CERTIFICATE

This is to certify that the contents of the paper entitled "AUTOMATED TROLLEY" is an authentic report of project presented by:

ALFRED JOHNSON

(180021029328)

ASHIK M S

(180021029336)

ANANDHAKRISHNAN

(180021029334)

ATHUL ANTONY

(180021029338)

in a partial fulfillments of the requirements for the award of the Degree of BSc Electronics and Computer Maintenance of Mahatma Gandhi University, Kottayam during the academic year 2017-2020.

Faculty guide


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Mr.Lijo Thomas &Mr.Ajan P J

E&CM




16/7/2021
Head of the department

Mr.Akhil T V

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CERTIFICATE

This is to certify that the contents of the paper entitled
“ADVANCED FOOT STEP POWER GENERATOR”
is an authentic report of project presented by:

ALIAS ELDHO (180021029329)

ALTHAF A Y (180021029330)

JISMON YACOB (180021029349)

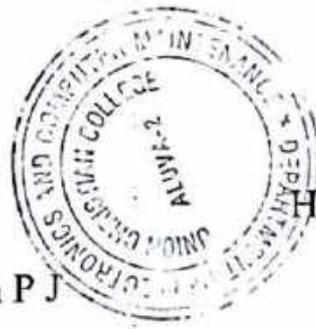
TINSON T D (180021029357)

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University, Kottayam during the academic year 2018-2021.

Faculty Guide

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Lijo Thomas
16/7/2021



Head of the Department

Mr. Akhil T V

Akhil T V
16/7/2021

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CERTIFICATE

This is to certify that the contents of the paper entitled "SMART MIRROR" is an authentic report of project presented by:

Jishnu T S (180021029348)

Melvin Kuriakose (180021029350)

Vysakh V G (180021029360)

Jayakrishnan P S (180021029345)

,in a partial fulfillments of the requirements for the award of the Degree of BSc Electronics and Computer Maintenance of Mahatma Gandhi University, Kottayam during the academic year 2018-2021.

Faculty Guide

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16/11/2021

Mr.Lijo Thomas & Mr.Ajan P J



Head of the Department

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16/11/2021

Mr.Akhil T V

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CERTIFICATE

This is to certify that the contents of the paper entitled
"IOT BASED HEALTH MONITORING SYSTEM" is an authentic report
of project presented by:

AFSAL PM (180021029325)

SANJAY REMESH (180021029353)

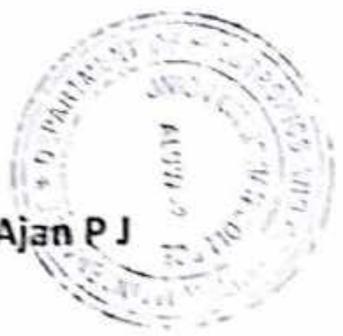
VISHNU K (180021029358)

VISHNU G PRABHU (180021029359)

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Degree of BSc Electronics and Computer Maintenance of Mahatma
Gandhi University, Kottayam during the academic year 2018-2021.

Faculty Guide

Mr.Lijo Thomas &Mr.Ajan P J



Head of the Department

Mr. Akhil T V

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This is to certify that the contents of the paper entitled
"AUTONOMOUS CAR" is an authentic report of project presented
by:

FARHANA REFEEQ(180021029341)

ROHITH G S(180021029351)

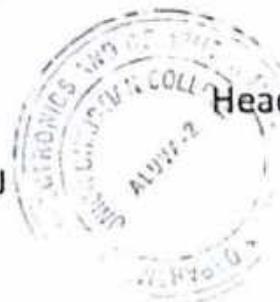
SARATH N(180021029354)

THASLIN P H(180021029356)

,in a partial fulfillments of the requirements for the award of the
Degree of BSc Electronics and Computer Maintenance of Mahatma
Gandhi University, Kottayam during the academic year 2018-2021.

Faculty Guide

Mr.Lijo Thomas & Mr.Ajan P J


16/7/2021

Head of the Department

Mr. Akhil T V


16/7/2021

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This is to certify that the contents of the paper entitled "SOIL ANALYSIS AND CROP SELECTION USING IOT" is an authentic report of Project presented by:

ALAN PAUL KURLAKOSE (180021029326),

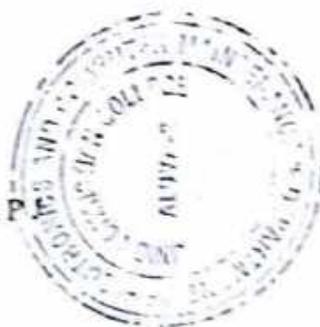
ELDHOSE P V(180021029340),

FIDHA FATHIMA (180021029342),

HARIPRIYA HARIDAS (180021029344),

in the partial fulfillment of the requirements for the award of BSc Electronics & Computer Maintenance Degree of Mahatma Gandhi University during the academic period 2020-2021


Faculty Guide
Mr. Lijo Thomas & Mr. Ajan P

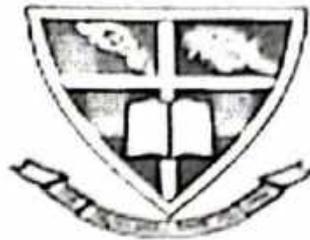



Head of the Department
Mr. Akhil T V

UNION CHRISTIAN COLLEGE ALUVA

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India NACC Re- Accredited with A Grade in IVth



UC College, Aluva

CERTIFICATE

This is certify that the contents of the paper entitled "GREEN HOUSE AUTOMATION" is an authentic report of project presented by:

AMAR MANSOOR(180021029332)

GEORGE ANTONY(180021029343)

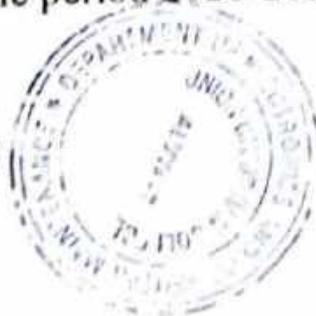
JAYAKRISHNAN UNNI(180021029346)

SAIDUBIAN HARIS(180021029352)

In the partial fulfilment of the requirement for the award of BSC Electronics & computer Maintenance Degree of Mahatma Gandhi University during the academic period 2020-2021

Faculty Guid

Mr.Lijo Thomas & Mr. Ajan P J



Head of the Department

Mr. Akhil T V



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28-06-2021
Ernakulam

CERTIFICATE

This is to certify that the work entitled "Study on Rhizosphere Soil Micronutrients Content in Plantain Zones", is a bona fide project work done by Isra M. I, student of Union Christian College, Aluva, in partial fulfillment of Bachelor Degree in Biological Techniques and Specimen Preparation, during the period of 28th December 2020 to 16th January 2021 under my guidance and supervision.

Dr. Jikku Jose
Director
Scire Science Pvt. Ltd



Dr. Jikku Jose
Research Head and Director
Scire Science Pvt. Ltd

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This is to certify that the thesis '**DETERMINATION OF ANTHOCYANIN IN RED GRAPE SKIN AND ITS APPLICATION AS A NATURAL COLORANT**' is a bonafide project of original dissertation work carried out by **Ms. NEHA JOHNSON**, Union Christian college, Aluva during the academic year 2018 -2021 in partial fulfillment of the requirements of the award of degree of Bachelor of Science in Biological Techniques and Specimen Preparation of Mahatma Gandhi University.

Ms. Achamma Thomas

(internal guide)

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Palairattom, Kochi




SHYAM MOHAN
HEAD, BIOSCIENCES DEPARTMENT
UNION CHRISTIAN COLLEGE, ALUVA
Shyam Mohan

Head of the department

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U74999KL2016OP04256

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CERTIFICATE

This is to certify that the work entitled "Study on Nutritional Value of Moringa Leaves", is a bona fide project work done by **Nitha Murali**, student of Union Christian College, Aluva, in partial fulfillment of Bachelor Degree in Biological Techniques and Specimen Preparation, during the period of 28th December 2020 to 16th January 2021 under my guidance and supervision.

Dr. Jikku Jose
Director
Scire Science Pvt. Ltd.



Dr. Jikku Jose
Research Head and Director
Scire Science Pvt. Ltd

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UC College, Aluva

This is to certify that the thesis "**Study on Phytochemical analysis and Antioxidant activity of Citrus Limonum**" is a bonafide record of original dissertation work carried out by Ms.Parvathy S, Union Christian College, Aluva during the period of December to January 2020-2021 in partial fulfilment of the requirements for the award of Degree of Bachelor of Science in Biological Techniques and Specimens Preparation(BT&SP) of the Mahatma Gandhi University.

Internal Guide

Examiner

1.

2.



Head of the Department

SHYAM MOHAN
HOD, BIOSCIENCES DEPARTMENT
UNION CHRISTIAN COLLEGE, ALUVA

CERTIFICATE



This is to certify that the thesis "ISOLATION AND CHARACTERIZATION OF PLANT GROWTH PROMOTING BACTERIA FROM RHIZOSPHERIC SOIL" is a bonafide project of original dissertation work carried out by Ms. Praseetha Prasad, Union Christian college, Aluva during the academic year 2018 -2021 in partial fulfillment of the requirements of the award of degree of Bachelor of Science in Biological Techniques and Specimen Preparation of Mahatma Gandhi University.



Ms. Achamma Thomas
(internal guide)
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SHYAM MOHAN
HOD. BIOSCIENCES DEPARTMENT
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Shyam Mohan
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CERTIFICATE

This is to certify that the thesis '*Evaluation of antibacterial activity of pyocyanin extracted from Pseudomonas aeruginosa*' is a bonafide project of original dissertation work carried out by Mr. Shane Peter, Union Christian college, Aluva during the academic year 2018 -2021 in partial fulfillment of the requirements of the award of degree of Bachelor of Science in Biological Techniques and Specimen Preparation of Mahatma Gandhi University.




SHYAM MOHAN
HOD, BIOSCIENCES DEPARTMENT
UNION CHRISTIAN COLLEGE, ALUVA

Ms. Achamma Thomas

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UNION CHRISTIAN COLLEGE

This is to certify that the thesis "**ISOLATION OF BIOFILM FORMERS FROM SPOILT VEGETABLE AND EVALUATION OF ANTIBIOFILM EFFICACY OF *Allium sativum* EXTRACT**" is a bonafide record of original dissertation work carried out by Ms. Sreeveni V.S., Union Christian College, Aluva during the period of December to January 2020-2021 in partial fulfillment of the requirements for the award of Degree of Bachelor of Science in Biological techniques and specimen preparations of the Mahatma Gandhi University.

Internal Guide

Examiners

1.

2.




SHYAM MOHAN
Head of the Department
UNION CHRISTIAN COLLEGE, ALUVA

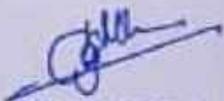
CERTIFICATE



This is to certify that the thesis "EXTRACTION ANTHOCYANIN FROM HIBISCUS FLOWER AND ITS APPLICATION AS A TEXTILE COLORANT" is a bonafide record of original dissertation work carried out by Ms. Swabaha Muhammed, Union Christian College, Aluva during the period of December to January, 2020-2021 in partial fulfillment of the requirements for the award of Degree of Bachelor of Science in Biological techniques and specimen preparations of the Mahatma Gandhi University.

Ms. Achamma Thoma
(internal guide)
PVT Merit Biolabs
Palarivattom, Kochi




SHYAM MOHAN
HOD, BIOSCIENCES DEPARTMENT
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Shyam Mohan

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CERTIFICATE



This is to certify that the thesis '**Bioactivity of Pyocyanin extracted from *Pseudomonas aeruginosa* raw vegetable isolates against human pathogenic bacteria**' is a bonafide project of original dissertation work carried out by **Mr. VIVEK KRISHNAN P V**, Union Christian college, Aluva during the academic year 2018 -2021 in partial fulfillment of the requirements of the award of degree of Bachelor of Science in Biological Techniques and Specimen Preparation of Mahatma Gandhi University, Kottayam.

Ms. Achamma Thomas
(internal guide)
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SHYAM MOHAN
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Shyam Mohan
Head of the department
Bioscience
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Tel: 0484-3190565, E-mail: meritbiolabs@gmail.com

Ref NO.MB/AUG/MB/20/483

Dt. 20-02-2021

CERTIFICATE

This is to certify that, this dissertation entitled "Isolation And Characterisation Of Yeast From Fruit Waste And Utilisation Of It For The Production Of Bioethanol By Fermentation .", is an authentic record of the project carried out by Ms. SHEFINA IBRAHIM of UC College ,Aluva during the period from 28-12-2020 to 30-01-2021 under my guidance in partial fulfillment for the BSc , Degree in Biological Techniques And Specimen preparation (Dept. of Bioscience).

Academic Co-Ordinator



**ROOTING RESPONSES ON STEM CUTTINGS IN THREE ORNAMENTAL
HEDGE PLANTS**



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
ATHULYA AJAYAKUMAR**

**B.Sc. BOTANY (2018 – 21)
DEPARTMENT OF BOTANY**

**UNION CHRISTIAN COLLEGE, ALWAYE – 683102
KERALA, INDIA**

Reg. No. 180021024232

March, 2021

A handwritten signature in black ink, appearing to read 'Athulya', is written over a long, thin horizontal line that extends to the right.



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(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

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This is to certify that the Dissertation entitled “Rooting responses on stem cuttings in three ornamental hedge plants” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Athulya Ajayakumar , B.Sc. Botany (2018 - 2021), Reg no: 180021024232 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

March , 2021

Dr. Justin R Nayagam
Assistant Professor,
Department of Botany
UC College, Aluva

**COMPARATIVE STUDY ON EFFECT OF DIFFERENT POTTING MEDIA ON
VEGETATIVE PROPAGATION OF "*Solenostemon scutellarioides*"**



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
APARNA SUNIL**

**B.Sc. BOTANY (2018 – 21)
DEPARTMENT OF BOTANY
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KERALA, INDIA**

Reg. No. 180021024231

March, 2021



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CERTIFICATE

This is to certify that the Dissertation entitled "**Comparative Study on the effect of different potting media on vegetative propagation of *Solenostemon scutellarioides***" submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Veni I.V, B.Sc. Botany (2018 - 2021), Reg no: 180021024231 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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March , 2021



Dr. Arumol Jose

Faculty

Department of Botany

UC College, Aluva

FLUORIDE TOXICITY TO CROP PLANTS



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FOR THE DEGREE OF BACHELOR OF SCIENCE

IN
BOTANY

BY
SHAHEERA CK

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March, 2021



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March , 2021

Dr. Manju M George

Head, Department of Botany

**COMPARATIVE STUDY ON THE EFFECT OF DIFFERENT POTTING MEDIUM
ON VEGETATIVE PROPAGATION OF *Epipremnum aureum***



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
KAVYA C.A**

**B.Sc. BOTANY (2018 – 21)
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UNION CHRISTIAN COLLEGE, ALWAYS – 683102

KERALA, INDIA

Reg. No. 180021024243

Valmed
Arin Kumar M

March, 2021



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This is to certify that the Dissertation entitled “Comparative Study On The Effect Of Different Potting Medium On Vegetative Propagation Of *Epipremnum aureum*” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Kavya C.A , B.Sc. Botany (2018 - 2021), Reg no: 180021024243 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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March 2021


Dr. Anumol Jose

Faculty

Department of Botany

**VEGETATIVE PROPAGATION TECHNIQUE IN *COLEUS*
SCUTELLARIOIDES STEM CUTTING USING RAW HONEY**



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
SADIYA N S**

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This is to certify that the Dissertation entitled “**Vegetative Propagation Technique in *Coleus scutellarioides* Stem Cutting Using Raw Honey**” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Sadiya N S , B.Sc. Botany (2018 - 2021), Reg No: 180021024250 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
March , 2021


Dr. Justin R Nayagam
Assistant Professor,
Department of Botany
U.C.College, Aluva

IMPACT OF ARSENIC TOXICITY ON BLACK GRAM



Project work submitted to **UNION CHRISTIAN COLLEGE,**
Aluva,

Affiliated to Mahatma Gandhi University, Kottayam

In partial fulfilment of the requirements for the

Degree of bachelor of science

In Botany

By

SHILPA RAVEENDRAN N

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B.SC. BOTANY (2018-21)

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UNION CHRISTIAN COLLEGE, ALUVA-683102

KERALA, INDIA

March, 2021



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CERTIFICATE

This is to certify that the descertation entitled “ **IMPACT OF ARSENIC TOXICITY ON BLACK GRAM**” submitted to Mahatma Gandhi University in partial fulfilment of the requirement for the award of degree of bachelor of science in botany is a record of original work done by SHILPA RAVEENDRAN N, B.sc, Botany (2018-2021), reg.no: 180021024252 during the period of her study under my super vision 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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March 2021

Dr. Manju M George

Head of the department,

Botany

UC College Aluva

REVIEW ON PHYTOCHEMISTRY OF *Simarouba gluca*.DC



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**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

BY

MOHAZEENA MOL M.U

B.Sc. BOTANY (2018 – 21)

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KERALA, INDIA

Reg. No. 180021024247

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This is to certify that the Dissertation entitled “Review on Phytochemistry of *Simarouba gluca.DC*” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Mohazeena mol m.u , B.Sc. Botany (2018 - 2021), Reg no: 180021024247 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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March , 2021


Dr. Anilkumar M.
Assistant Professor,
Department of Botany
UC College, Aluva

Bio fungicides derived from plants



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**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
Nizal K B**

**B.Sc. BOTANY (2018 – 21)
DEPARTMENT OF BOTANY**

**UNION CHRISTIAN COLLEGE, ALWAYE – 683102
KERALA, INDIA**

Reg. No. 180021024249

March, 2021

A large, stylized handwritten signature in black ink, likely belonging to the author Nizal K B, is written across the bottom of the page.



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This is to certify that the Dissertation on "Bio fungicides derived from plants" submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Nizal K B , B.Sc. Botany (2018 - 2021), Reg no: 180021024249 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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March , 2021


Dr. Anumol Jose
Assistant Professor,
Department of Botany
UC College, Aluva

* Late Submission
** Incomplete
only Introduction & References Seco.

CHEMICAL FERTILIZERS AND IT'S AFFECT IN PLANT GROWTH



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**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE DEGREE OF
BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
Milan Mathew**

**B.Sc. BOTANY (2018 – 21)
DEPARTMENT OF BOTANY
UNION CHRISTIAN COLLEGE, ALWAYS – 683102
KERALA, INDIA**

Reg. No. 180021024246

March, 2021

Valued

Milan Mathew



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Dr. Manju M George

Head, Department Botany

Aluva

March , 2021

**COMPARATIVE STUDY OF HEPATICOPSIDA AND BRYOPSIDA IN ALAKODE OF
KANOOR ,KERALA**



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
MERIN RAJ**

B.Sc. BOTANY (2018 – 21)

DEPARTMENT OF BOTANY

UNION CHRISTIAN COLLEGE, ALWAYE – 683102

KERALA, INDIA

Reg. No. 180021024245

March,2021

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This is to certify that the Dissertation entitled “A review on the comparative study of Hepaticopsida and Bryopsida of Alakode ,Kanoor district ” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Merin Raj, B.Sc. Botany (2018 - 2021), Reg no: 180021024245 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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March, 2021

Dr. Thara k Simon

Associate Professor,

Department of Botany

UC college, Aluva

REVIEW ON MEDICINAL PLANTS AS ANTI INFLAMMATORY AGENTS



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY
BY
E.E.SAMON**

**B.Sc. BOTANY (2018 – 21)
DEPARTMENT OF BOTANY
UNION CHRISTIAN COLLEGE, ALWAYE – 683102
KERALA, INDIA**

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Reg. No. 180021024237

March, 2021

Dr. J. J. ...

Planned ...



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Aluva

March , 2021

Dr. Anilkumar M

Assistant Professor,

Department of Botany

UC College, Aluva

**IMPACT OF HONEY IN ROOTING OF STEM CUTTINGS IN
RED EDGE LEAFED DRACAENA**



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
M.A.FASEELA**

**B.Sc. BOTANY (2018 – 21)
DEPARTMENT OF BOTANY**

UNION CHRISTIAN COLLEGE, ALWAYE – 683102

KERALA, INDIA

Reg. No. 180021024244

March, 2021

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CERTIFICATE

This is to certify that the Dissertation entitled “**Impact of honey in rooting of stem cuttings in Red Edge Leafed Dracaena**” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by **M.A.Faseela**, B.Sc. Botany (2018 - 2021), Reg No: 180021024244 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
March , 2021


Dr. Justin R Nayagam
Assistant Professor,
Department of Botany
U.C.College, Aluva

**ROOTING PERFORMANCE OF GERANIUM ARALIA STEM CUTTINGS IN
COIR PITH AND TEA WASTE ROOTING MEDIA**



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
FAHIS T P**

**B.Sc. BOTANY (2018 – 21)
DEPARTMENT OF BOTANY**

**UNION CHRISTIAN COLLEGE, ALWAYS – 683102
KERALA, INDIA**

Reg. No. 180021024239

March, 2021



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CERTIFICATE

This is to certify that the Dissertation entitled "**Rooting performance of Geranium Aralia stem cuttings in coir pith and tea waste rooting media**" submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by **FAHIS T P**, B.Sc. Botany (2018 - 2021), Reg no: . 180021024239 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

March , 2021

Dr. Justin R Nayagam

Assistant Professor,

Department of Botany

U.C College, Aluva

**REVIEW ON UNDERUTILIZED CROPS AMONG MAJOR
TRIBES IN KERALA**



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
BASIL BINO**

**B.Sc. BOTANY (2018 - 21)
DEPARTMENT OF BOTANY**

**UNION CHRISTIAN COLLEGE, ALWAYS - 683102
KERALA, INDIA**

Reg. No. 180021024233

March, 2021

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This is to certify that the Dissertation entitled "**Review on underutilized crops among major tribes in Kerala**" submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of review work done by **Basil Bino**, B.Sc. Botany (2018 - 2021), **Reg no: 180021024233** 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
March, 2021



for **Dr. Reshmi G R**
Guest Lecturer,

Department of Botany
UC College, Aluva

**A Comparative Study On The Effect Of Different
Potting Medium On Vegetative Propagation Of
Philodendron mello-barretoanum Burle-Marx ex G.M.Barroso**



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

BY

**ELIZABETH SANDRA JOLLY
B.Sc. BOTANY (2018 – 21)**

DEPARTMENT OF BOTANY

UNION CHRISTIAN COLLEGE, ALWAYE – 683102

KERALA, INDIA

Reg. No. 180021024238

March, 2021

A handwritten signature in black ink, appearing to read 'Elizabeth Sandra Jolly', is located at the bottom center of the page.



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CERTIFICATE

This is to certify that the Dissertation entitled “A comparative study on the effect of different potting medium on vegetative propagation of *Philodendron mello-barretoanum* Burt-Marx ex G.M.Barroso” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Elizabeth Sandra Jolly, B.Sc. Botany (2018 - 2021), Reg no: 180021024238 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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March, 2021



Dr. Anumel Jose

Assistant Professor,
Department of Botany
UC College, Aluva

STUDY OF PESTICIDE POLLUTION IN CROP PLANTS



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
DANIEL FRANCIS**

B.Sc. BOTANY (2018 – 21)

DEPARTMENT OF BOTANY

UNION CHRISTIAN COLLEGE, ALWAYE – 683102

KERALA, INDIA

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March, 2021

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March , 2021

Dr. Manju M George

Head, Department of Botany



**Food Grain Storage Methods with Special Reference to Traditional
and Modern Techniques**



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
C. S. AISHWARYA**

B.Sc. BOTANY (2018 – 21)

DEPARTMENT OF BOTANY

UNION CHRISTIAN COLLEGE, ALWAYE – 683102

KERALA, INDIA

Reg. No. 180021024235

March, 2021



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CERTIFICATE

This is to certify that the Dissertation entitled “ Food Grain Storage Methods with Special Reference to Traditional and Modern Techniques” submitted to Mahatma Gandhi University in partial fulfilment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by C S Aishwarya , B.Sc. Botany, (2018 - 2021), Reg no: 180021024235 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

March, 2021

Dr. Thara K. Simon

Associate Professor,

Department of Botany

U C College, Aluva

**STUDIES ON THE VEGETATIVE PROPAGATION OF
'EPIPREMNUM AUREUM'**



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY SONA ELDHOSE
B.Sc. BOTANY (2018 - 21)
DEPARTMENT OF BOTANY
UNION CHRISTIAN COLLEGE, ALWAYE - 683102
KERALA, INDIA**

Reg. No. 180021024254

March, 2021



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CERTIFICATE

This is to certify that the Dissertation entitled “studies on the vegetative propagation of *Epipremnum aureum*” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Sona Eldhose, B.Sc. Botany (2018 - 2021), Reg no: 180021024254 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

March, 2021


for Dr. Anumol Jose
Assistant Professor,
Department of Botany
UC College, Aluva

**ROOTING PERFORMANCE OF GERANIUM ARALIA STEM CUTTINGS IN
COIR PITH AND TEA WASTE ROOTING MEDIA**



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
VARSHA .T. C**

B.Sc. BOTANY (2018 – 21)

DEPARTMENT OF BOTANY

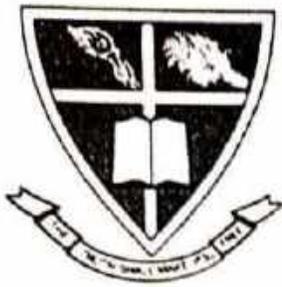
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KERALA, INDIA

Reg. No. 180021024256

March, 2021

Varsha T. C



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Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled “Rooting performance of Geranium Aralia stem cuttings in coir pith and tea waste rooting media” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Varsha. T.C , B.Sc. Botany (2018 - 2021), Reg no: 180021024256 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.

Dr. Justin R Nayagam

Assistant Professor,

Department of Botany

UC College, Aluva

Aluva

March , 2021

**ROOTING CHARACTERISTICS IN LUCKY BAMBOO STEM CUTTINGS TREATED
WITH WILD HONEY OF TROPICAL RAIN FORESTS**



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
VEENA K I**

Veena K I

**B.Sc. BOTANY (2018 – 21)
DEPARTMENT OF BOTANY
UNION CHRISTIAN COLLEGE, ALWAYE – 683102
KERALA, INDIA**

Reg. No. 180021024257

March, 2021

Antonia



UNION CHRISTIAN COLLEGE

(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled "Rooting characteristics in lucky bamboo stem cuttings treated with wild honey of tropical rain forests" submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Veena K I , B.Sc. Botany (2018 - 2021), Reg no: 180021024257 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.
March 2021.

Dr. Justin R. Nayagam

Associate Professor
Dr. Justin R. Nayagam
Assistant Professor & Research Guide
Department of Botany
Union Christian College
UCC College Aluva
Aluva - 2, Kerala 688 102

BIOPESTICIDES DERIVED FROM PLANTS



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

BY

YADHUKRISHNAN.P.K

B.Sc. BOTANY (2018 – 21)

DEPARTMENT OF BOTANY

UNION CHRISTIAN COLLEGE, ALWAYE – 683102

KERALA, INDIA

Reg. No. 180021024260

March, 2021



UNION CHRISTIAN COLLEGE

(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

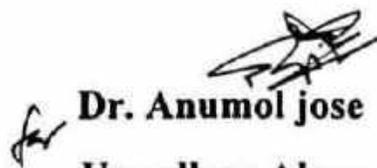
Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled “Rooting responses on stem cuttings in three ornamental hedge plants” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by YADHUKRISHNAN.P.K , B.Sc. Botany (2018 - 2021), Reg no: 180021024260 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

March , 2021


Dr. Anumol Jose
Uc college Aluva

A review on the endophytic association in *Oryza sativa* L.



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
VIDYA S**

**B.Sc. BOTANY (2018 – 21)
DEPARTMENT OF BOTANY**

**UNION CHRISTIAN COLLEGE, ALWAYE – 683102
KERALA, INDIA**

Reg. No. 180021024259

March, 2021

Handwritten signature



UNION CHRISTIAN COLLEGE

(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled “A review on the endophytic association ofin Oryza sativa L.” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Vidya. S , B.Sc. Botany (2018 - 2021), Reg no: 180021024259 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

March , 2021

Dr. Anil Kumar M

Assistant Professor,

Department of Botany

UC College, Aluva

SEED GERMINATION-MICROGREENS-WITHOUT SOIL



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
VENLI.V**

**B.Sc. BOTANY (2018 – 21)
DEPARTMENT OF BOTANY**

**UNION CHRISTIAN COLLEGE, ALWAYS – 683102
KERALA, INDIA**

Reg. No. 180021024258

March, 2021

Vahmed
Dr. Venli.V



UNION CHRISTIAN COLLEGE

(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled “Seed Germination-Microgreens-Without Soil” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Veni.I.V , B.Sc. Botany (2018 - 2021), Reg no: 180021024258 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

March , 2021

Dr. Thara.K.Simon
Assistant Professor,
Department of Botany
UC College,Aluva



UNION CHRISTIAN COLLEGE

(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled “Plant-Microbe interaction in the rhizosphere- A critical review” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Anupama Binoy , B.Sc. Botany (2018 - 2021), Reg no: 180021024230 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

March , 2021


Dr. Anil Kumar M .
Assistant Professor,
Department of Botany
UC College, Aluva

COMMONLY USED SHAMPOO PLANTS



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

BY

JAYAKRISHNAN P.B

B.Sc. BOTANY (2018 – 21)

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UNION CHRISTIAN COLLEGE, ALWAYE – 683102

KERALA, INDIA

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424A

March, 2021



UNION CHRISTIAN COLLEGE

(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled “Commonly used shampoo plants ” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Jayakrishnanp.b, B.Sc. Botany (2018 - 2021), Reg no: 180021024242 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

March , 2021

Dr. Anil Kumar M

Assistant Professor,

Department of Botany

UC

College,Aluva

CHROMIUM TOXICITY TO CROP PLANTS



DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM

IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE

IN
BOTANY

BY
Harsha Dasan

B.Sc. BOTANY (2018 – 21)

DEPARTMENT OF BOTANY

UNION CHRISTIAN COLLEGE, ALWAYE – 683102

KERALA, INDIA

Value

Harsha Dasan

Reg. No. 180021024229 41

March, 2021



UNION CHRISTIAN COLLEGE

(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled “Chromium Toxicity to Crop Plants” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Harsha Dasan , B.Sc. Botany (2018 - 2021), Reg no: 180021024241 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.

Dr. Manju M George

**Head Of The Department,
Botany**

Aluva

March , 2021

College, Aluva

UC

PHARMACOGNOSTICAL STUDIES OF SIMAROUBA GLAUCA



DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM

IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE

IN
BOTANY

BY

ALAN K LENIN

B.Sc. BOTANY (2018 – 21)

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KERALA, INDIA

Reg. No. 180021024224

March, 2021

Key words: Simarouba glauca



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(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled “A review on the pharmacognostical studies of Simarouba glauca DC ” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Alan k lenin, B.Sc. Botany (2018 - 2021), Reg no: 180021024224 during the period of his 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

March , 2021


Dr. Anil Kumar M
Assistant Professor,
Department of Botany
UC College, Aluva

**IMPACT OF HONEY IN ROOT INITIATION ON VEGETATIVE STEM
CUTTINGS OF *GRAPTOPHYLLUM PICTUM* AND *SCHEFFLERA*
*ARBORICOLA***



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
ANAKHA K ELDO**

**B.Sc. BOTANY (2018 – 21)
DEPARTMENT OF BOTANY
UNION CHRISTIAN COLLEGE, ALWAYE – 683102
KERALA, INDIA**

Reg. No. 180021024226

March, 2021



UNION CHRISTIAN COLLEGE

(Affiliated to MG University)

Alwaye-2 Ernakulum (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitle **IMPACT OF HONEY IN ROOT INITIATION ON VEGETATIVE STEM CUTTINGS OF *GRAPTOPHYLLUM PICTUM* AND *SCHEFFLERA ARBORICOLA*** submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Anakha K Eldo, B.Sc. Botany (2018 - 2021), Reg no: 180021024226 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

March , 2021

Dr. Justin R Nayagam
Assistant Professor,
Department of Botany

**VEGETATIVE PROPAGATION OF WANDERING JEW PLANT IN
DIFFERENT POTTING MEDIUMS**



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

BY

ALEENA JOSEPH

B.Sc. BOTANY (2018 – 21)

DEPARTMENT OF BOTANY

UNION CHRISTIAN COLLEGE, ALWAYS – 683102

KERALA, INDIA

Reg. No. 180021024225

March, 2021



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(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled “VEGETATIVE PROPAGATION OF WANDERING JEW PLANT IN DIFFERENT POTTING MEDIUMS” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Aleena Joseph, B.Sc. Botany (2018 - 2021), Register no: 180021024225 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

March , 2021

Dr. Anumol Jose

Assistant Professor

Department of Botany

UC College, Aluva

COMPARATIVE STUDY OF SPOROPHYTE OF DIFFERENT BRYOPHYTES



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
ANU ELDHO**

**B.Sc. BOTANY (2018 – 21)
DEPARTMENT OF BOTANY
UNION CHRISTIAN COLLEGE, ALWAYE – 683102
KERALA, INDIA**

Reg. No. 180021024228

March, 2021



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(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled “A review on the comparative study of sporophyte of different bryophytes ” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Anu Eldho, B.Sc. Botany (2018 - 2021), Reg no: 180021024228 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

March,2021

Dr. Thara k Simon

Associate Professor,

Department of Botany

UC College, Aluva

COMPARISON OF GAMETOPHYTE OF DIFFERENT BRYOPHYTES



DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM

IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE IN BOTANY

BY

AHANA P NAZAR

B.Sc. BOTANY (2018 – 21)

DEPARTMENT OF BOTANY

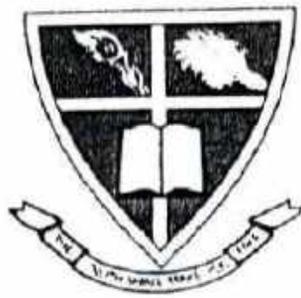
UNION CHRISTIAN COLLEGE, ALWAYE – 683102

KERALA, INDIA

Reg. No. 180021024222

March, 2021

Handwritten signatures of the author and supervisor.



UNION CHRISTIAN COLLEGE

(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled "Comparative review of gametophyte of different Bryophytes" submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Ahana P. Nazar , B.Sc. Botany (2018 - 2021), Reg no: 180021024222 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.
March 2021.**


Dr. Thara K Simon
Associate Professor
U C College, Aluva

**A REVIEW ON ETHNO BOTANICAL MEDICINES AMONG
IMPORTANT TRIBES IN KERALA**



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
ANANDU E A**

**B.Sc. BOTANY (2018 – 21)
DEPARTMENT OF BOTANY
UNION CHRISTIAN COLLEGE, ALWAYE – 683102
KERALA, INDIA**



UNION CHRISTIAN COLLEGE

(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled “A review on ethno botanical medicines among important tribes in Kerala” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of review work done by ANANDU E A , B.Sc. Botany (2018 - 2021), Reg no: 180021024227 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

March, 2021

Dr. Reshmi G R

Guest Lecturer,

Department of Botany

UC College, Aluva

HEAVY METAL TOXICITY IN CROP PLANTS



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
ANUJITH JAYAN**

**B.Sc. BOTANY (2018 – 21)
DEPARTMENT OF BOTANY
UNION CHRISTIAN COLLEGE, ALWAYE – 683102
KERALA, INDIA**

Reg. No. 180021024229

March, 2021



UNION CHRISTIAN COLLEGE

(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled "Heavy metal toxicity in crop plants" submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Anujith Jayan , B.Sc. Botany (2018 - 2021), Reg no: 180021024229 during the period of his 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

March , 2021

Dr. Manju M George

Head, Department of Botany





DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM

IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE

IN
BOTANY

BY
SHIMJA T.A

B.Sc. BOTANY (2018 – 21)
DEPARTMENT OF BOTANY

UNION CHRISTIAN COLLEGE, ALWAYE – 683102
KERALA, INDIA

Reg. No. 180021024253

March, 2021



UNION CHRISTIAN COLLEGE

(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled "A review on the pharmacology of *Simarouba glauca*.DC " submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by Shimja TA, B.Sc. Botany (2018 - 2021), Reg no: 180021024253 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

March , 2021



Dr. Anil Kumar, M

Assistant Professor,

Department of Botany

UC College, Aluva

**ROOTING PERFORMANCE OF GERANIUM ARALIA STEM CUTTINGS IN
COIR PITH AND TEA WASTE ROOTING MEDIA**



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

**BY
FAHIS T P**

**B.Sc. BOTANY (2018 – 21)
DEPARTMENT OF BOTANY
UNION CHRISTIAN COLLEGE, ALWAYE – 683102
KERALA, INDIA**

Reg. No. 180021024239

March, 2021



UNION CHRISTIAN COLLEGE

(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled “**Rooting performance of Geranium Aralia stem cuttings in coir pith and tea waste rooting media**” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of Bachelor of science in Botany is a record of original work done by **FAHIS T P, B.Sc. Botany (2018 - 2021), Reg no: . 180021024239** 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

March , 2021

Dr. Justin R Nayagam

Assistant Professor,

Department of Botany

U.C College, Aluva

BIODIVERSITY ASSESSMENT OF ROADSIDE WEEDS



**DISSERTATION SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENTS FOR THE
DEGREE OF BACHELOR OF SCIENCE**

**IN
BOTANY**

BY

GAYATHRI M

B.Sc. BOTANY (2018 – 21)

DEPARTMENT OF BOTANY

UNION CHRISTIAN COLLEGE, ALWAYE – 683102

KERALA, INDIA

Reg. No. 18002102424 0

March, 2021



UNION CHRISTIAN COLLEGE

(Affiliated to MG University)

Alwaye-2 Ernakulam (District) Kerala, India

Accredited at A level by the National Assessment and Accreditation Council (NAAC)

CERTIFICATE

This is to certify that the Dissertation entitled “Biodiversity assessment of roadside weeds” submitted to Mahatma Gandhi University in partial fulfilment of the requirement for the award of Bachelor of science in Botany is a record of original work done by Gayathri M, B.Sc. Botany (2018 – 2021), Reg no: 180021024240 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

March 2021

Dr.Thara K Simon

Associate professor

Department of Botany

Union Christian College, Aluva

COURSES OFFERED UNDER THE B.Sc. PSYCHOLOGY PROGRAMME

- PY1CRT01 Foundations and Methods of Psychology (Core)
 PY1CMT02 Body Systems And Behaviour(Complementary I)
 PY1CMT03 Basic Statistics- Paper I (Complementary II)
 PY2CRT04 Basic Cognitive Processes (Core)
 PY2CMT05 Biological Basis of Behaviour (Complementary I)
 PY2CMT06 Statistical Tools- Paper II (Complementary II)
 PY3CRT07 Living in the Social World (Core)
 PY3CMT08 Neurophysiology of Behaviour- Paper III(Complementary I)
 PY3CMT09 Statistical Methods and Elementary Probability- Paper III (Complementary II)
 PY3 P01 Psychology Practicals-I
 PY4CRT10 Social Interactions and Human Behaviour (Core)
 PY4CMT11 Biophysiology of Behaviour - Paper IV(Complementary I)
 PY4CMT12 Statistical Inference- Paper IV(Complementary-II)
 PY4 P02 Psychology Practicals-II
 PY5CRT13 Abnormal Behaviour (Core)
 PY5CRT14 Foundations of Organizational Behaviour (Core)
 PY5CRT15 Environmental Psychology and Human Rights
 PY5 OP01 Basics of Counseling Psychology(Open Course)
 PY5OP02 Life Skills Development(Open Course)
 PY5 P03 Experimental Psychology (Practical)
 PY5Pr01 Experiential learning Project
 PY6CRT16 Psychology of Maladaptive Behaviour (Core)
 PY6CRT18 Managing Behaviour in Organization (Core)
 PY6CRT17 Child Development (Core)

Choice-based Core course (Any one to be chosen)

- PY6 CBT01 Theory and Practice of Counselling (Core)
 PY6CBT02 School Psychology
 PY6CBT03 Human Resource Development
 PY6CBT04 Health Psychology

Practicals and Project

- ~~PY6 P04~~ Psychological Assessment (Practical)
~~PY6PR02~~ Research Project **PROJECT 2**

~~PY6CRP03~~
 PY6PR02

MAHATMA GANDHI UNIVERSITY KOTTAYAM



**CBCSS CURRICULUM AND SYLLABI FOR
UNDER GRADUATE COURSE IN**

**PSYCHOLOGY
(Model I)**

May 2017

(With effect from 2017 onwards)

				6
	Practical Experimental Psychology	PY5 P03	8	8
	Project 1	PY5 Pr01	2	2
Semester	Common/Core/Complementary/Elective Courses	Course Code	Credits	Hours
Semester VI	Psychology of Maladaptive Behaviour (Core)	PY6CRT16	4	4
	Child Development (Core)	PY6CRT17	4	4
	Managing Behavior in Organizations (Core)	PY6CRT18	4	4
	Choice-based Core course (Any one)			
	1. Theory and Practice of Counselling	PY6 CB ^T 01	3	3
	2. School Psychology	PY6 CB ^T 02		
	3. Human Resource Development	PY6 CB ^T 03		
4. Health Psychology	PY6CB ^T 04			
	Practical Psychological Assessment	PY6 P02 PY6CRP03	8	8
	Project 2	PY6 Pr02 PY6PR P02	2	2
	TOTAL		120	150

**Complementary course in Psychology for other Core programmes
(For B. A. English and B.A. Economics)**

PYICMT01 Understanding Psychology

PYICMT02 Psychology Of Individual Differences

Expansion of the codes given to courses

PY	Psychology
1,2,3,4,5,6	Semester numbers
CM	Complementary courses
CR	Core courses
OP	Open courses
CB	Choice Based Core Courses
T	Theory
P	Practical
Pr	Project

PROGRAMME STRUCTURE AND SYLLABUS

MASTER OF SCIENCE

PSYCHOLOGY

(UNDER MAHATMA GANDHI UNIVERSITY PGCSS REGULATIONS 2019)



**EXPERT COMMITTEE IN PSYCHOLOGY (PG)
MAHATMA GANDHI UNIVERSITY KOTTAYAM**

2019 - 20 ADMISSIONS ONWARDS

PROGRAM STRUCTURE & SYLLABUS

10. THE PROGRAM STRUCTURE

Course Code	Title of the Course	Type of the Course	Hours per week	Credits
FIRST SEMESTER				
PY010101	Cognitive Psychology	Core	4	4
PY010102	Personality and Personal Development	Core	4	4
PY010103	Psychopathology	Core	4	4
PY010104	Psychometry	Core	3	4
PY010105	Psychological Assessment (Practical)	Core	10	3
	<i>Total for Semester</i>		25	19
SECOND SEMESTER				
PY010201	Psychology of Intelligence, Learning and Motivation	Core	4	4
PY010202	Health Psychology	Core	4	4
PY010203	Research Methodology	Core	3	4
PY010204	Positive Psychology	Core	4	4
PY010205	Field work (Practical)	Core	10	2
	Activity Based Assignments			2
	<i>Total for Semester</i>		25	20
THIRD SEMESTER				
PY010301	Neuropsychology	Core	4	4
PY010302	Counselling	Core	4	4
PY010303	Cognitive and Behaviourally Oriented Therapies	Core	4	4
PY800301		Elective	3	4
PY801301		Elective		
PY802301		Elective		
PY010304	Neuropsychological Assessment (Practical)	Core	10	3
	<i>Total for Semester</i>		25	19
FOURTH SEMESTER				
PY010401	Contemporary Social Issues and Role of Psychology In Social Engineering	Core	5	4
PY010402	Training Program for Mental Health Promotion	Core	5	4
PY800402		Electives	5	3
PY800403		Electives		3
PY810402		Electives		
PY810403		Electives		
PY820402		Electives		
PY820403		Electives		
	Practical – Case study based on internship			10
	Project/ Dissertation			2

X →



CERTIFICATE

This is to certify that the dissertation submitted by **ABHIJITH SAJEEV** (Reg.No **180021048481**) titled '**Anger and Personality Traits of College Students**' a record of research work done by him during the academic year 2018-2021 in partial fulfillment for the award of Bachelor of Science in Psychology

Ms. Shema Elizabeth Kovoov

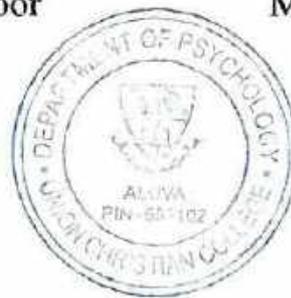
Assistant Professor

Guide

Ms. Syna Soosan Abraham

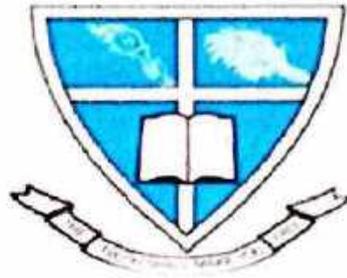
Assistant Professor

Department of Psychology
Head of the Department



Submitted for the examination held on:

Examiners:

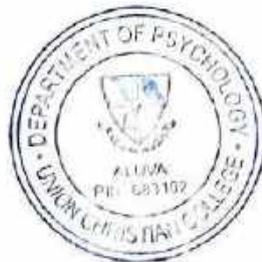


CERTIFICATE

This is to certify that the dissertation submitted by SARA GEORGE (Reg No. 180021048513) titled 'RELIGIOSITY AND LOCUS OF CONTROL IN YOUNG ADULTS' is a record of research work done by her during the academic year 2018-2021 in partial fulfilment for the award of Bachelor of Science in Psychology. The work presented in this project has not been submitted for any degree, diploma or title.

Dr. Malini. R

Supervising teacher



Ms. Syna Soosan Abraham

Head of the Department
Department of Psychology
Union Christian College
Aluva - 683 102

Submitted for the examination held on:

Examiners:



CERTIFICATE

This is to certify that the dissertation submitted by **AMRITHA S**
(Reg.No **180021048484**) titled '**Children's perception of
Parental Involvement during Lockdown in the Covid 19**'.is a
record of research work done by her during the academic year
2018-2021 in partial fulfillment for the award of Bachelor of
Science in Psychology



Ms.Syna Soosan Abraham

Assistant Professor

Guide, Head of the Department

Department
of Psychology
St. Ann's College
Kannur 690 002

Submitted for the examination held on:

Examiners:



CERTIFICATE

This is to certify that the dissertation submitted by **NEHA MATHEW** (Reg.No **180021048509**) titled '**Mental distress associated with online classes among school and college students during covid 19 pandemic**' is a record of research work done by her during the academic year 2018-2021 in partial fulfillment for the award of Bachelor of Science in Psychology.

Ms. Syna Soosan Abraham

Assistant Professor

Project Guide



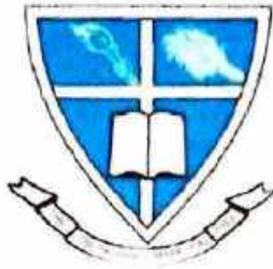
Ms. Syna Soosan Abraham

Assistant Professor

Head of the Department
Department of Psychology
Union Christian College
Aluva - 683 102

Submitted for the examination held on:

Examiners:



CERTIFICATE

This is to certify that the dissertation submitted by **SHEBA PAUL** entitled is "**ACADEMIC STRESS AND PERSONALITY AMONG UNDERGRADUATE STUDENTS**" a record of research work done by her during the academic year 2018-2021 in partial fulfilment for the award of Bachelor of Science in Psychology

Dr. Marikutty P.J
Assistant Professor
Guide



Ms. Syna Soosan Abraham
Assistant Professor
Head of the Department

Submitted for the examination held on: 22nd July 2021

Examiners:



CERTIFICATE

This is to certify that the project submitted by **ANU BEJOY**(Reg.No **180021048490**) entitled '**Parenting styles and altruistic behaviour among adolescents**' is an authentic record of research work done by her during the academic year 2018-2021 in partial fulfilment for the award of Bachelor of Science in Psychology


Ms. Sina Soosan Abraham

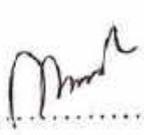
Head of the Department
Department of Psychology
Head of the Department
Aluva - 683 102




Dr. Marikutty P.J

Guide

Submitted for the examination held on: 19-07-2021

Examiners..........



CERTIFICATE

This is to certify that the dissertation submitted by **JOBIN P RAJ** entitled **"PERSONALITY, ANXIETY AND DEPRESSION AMONG COVID-19 AFFECTED PRISONERS AND NON-PRISONERS"** is a record of research work done by him during the academic year 2018-2021 in partial fulfillment for the award of Bachelor of Science in Psychology

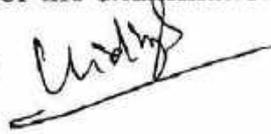
Dr. Marikutty P.J
Assistant Professor

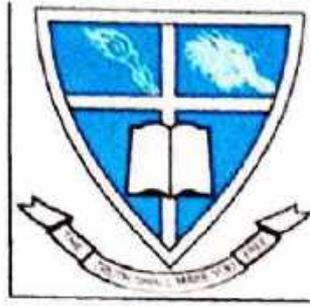
Ms. Syna Soosan Abraham
Assistant Professor Guide
Head of the Department



Head of the Department
Head of the Department
Department of Psychology
Union Christian College
Aluva - 683 102

Submitted for the examination held on: 22nd July 2021

Examiners:  



CERTIFICATE

This is to certify that the dissertation submitted by **AIDA JOHN** (Reg.No 180021048482) titled '**Technical difficulties experienced by School and college students in online classes during Covid 19 pandemic**' is a record of research work done by her during the academic year 2018-2021 in partial fulfillment for the award of Bachelor of Science in Psychology

Ms. Syna Soosan Abraham

Assistant Professor,

Head of the Department
Department of Psychology
Aluva
PIN-686102
4047-063102

Guide and Head of the Department



Submitted for the examination held on:

Examiners:



CERTIFICATE

This is to certify that the dissertation submitted by **PHILU MARIYAM SAJI** (Reg No. **180021048511**) titled '**Emotional Competence and Study Skills On Nursing and Non Nursing Students**' is a record of research work done by her during the academic year 2018-2021 in partial fulfilment for the award of Bachelor of Science in Psychology. The work presented in this project has not been submitted for any degree, diploma or title.

Vidhya
23/07/2021

Dr. Vidhya Ravindranadan

Assistant Professor

Project Guide



S. S. Abraham
Ms. Syna Soosan Abraham

Assistant Professor

Head of the Department
Department of Psychology
Union Christian College
Aluva - 686 102

Head of the Department

Submitted for the examination held on: **23.07.2021**

Examiners: 1. *Dr. Vidhya Ravindranadan*
2. *Amal*

Vidhya



CERTIFICATE

This is to certify that the dissertation submitted by **ABEL THOMAS SHAJI** (Reg No. **180021048480**) titled '**Emotional Competence and Study Skills of 10th standard and 12th standard students**' is a record of research work done by her during the academic year 2018-2021 in partial fulfilment for the award of Bachelor of Science in Psychology. The work presented in this project has not been submitted for any degree, diploma or title.

Dr. Vidhya Ravindranadan

Supervising teacher



Ms. Syña Soosan Abraham

Head of the Department

Department of Psychology
Union Christian College
Aluva - 683 102

Submitted for the examination held on: 22.07.2021

Examiners



CERTIFICATE

This is to certify that the dissertation submitted by **ANUGRAHA GRACE FRANCIS** (Reg No. **180021048491**) titled '**Emotional Competence and Study Skills of undergraduate singletons and those with siblings**' is a record of research work done by her during the academic year 2018-2021 in partial fulfilment for the award of Bachelor of Science in Psychology. The work presented in this project has not been submitted for any degree, diploma or title.

Vidhya
22/07/2021

Dr. Vidhya Ravindranadan

supervising teacher



S. Soosan Abraham

Dr. Syna Soosan Abraham

Head of the Department

Head of the Department
Department of Psychology
Anugraha College
Aluva - 686 002

Submitted for the examination held on: 22.07.2021

Examiner's signature

Vidhya
Amal



CERTIFICATE

This is to certify that the dissertation submitted by **Niyala Fathima P A** (Reg.No **180021048510**) titled '**Physical effects experienced by college and school students due to online classes during covid-19 pandemic**' is a record of research work done by her during the academic year 2018-2021 in partial fulfillment for the award of Bachelor of Science in Psychology


Ms. Symba Soosan Abraham

Assistant Professor

Guide and Head of the Department

Head of the Department
Department of Psychology
Union College, Alwayar
Alwayar- 683 102



Submitted for the examination held on:

Examiners:

UNION CHRISTIAN COLLEGE, ALUVA
DEPARTMENT OF PSYCHOLOGY



CERTIFICATE

Certified that this dissertation entitled "**COMPARISON OF GENDER
ROLE ATTITUDE IN WOMEN WHO WATCH AND WHO DONOT WATCH
SERIALS**", is a record of work done by Ms. MAREYAM SABJI KODIYARIL ..
Reg. no.180021048505, during sixth semester, under the guidance of Dr. Seena M
Mathai, Asst. professor, Dept. of Psychology, Union Christian College, Aluva for
completing B. Sc. Psychology course in the academic year 2020-2021

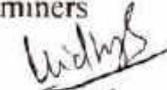
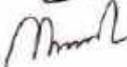

Syna Susan Abraham
Head of the Department




Dr. Seena M. Mathai
Asst. Professor

Submitted for the examination held on
.....

Examiners

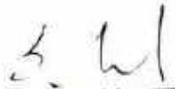
1. 
2. 

UNION CHRISTIAN COLLEGE, ALUVA
DEPARTMENT OF PSYCHOLOGY



CERTIFICATE

Certified that this dissertation entitled "**COMPARISON OF GENDER ROLE ATTITUDE IN WOMEN WHO WATCH AND WHO DONOT WATCH SERIALS**", is a record of work done by Ms. MAREYAM SABJI KODIYARIL ., Reg. no.180021048505, during sixth semester, under the guidance of Dr. Seena M Mathai, Asst. professor, Dept. of Psychology, Union Christian College, Aluva for completing B. Sc. Psychology course in the academic year 2020-2021

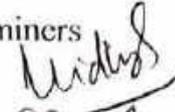

Syna Susan Abraham
Head of the Department
Union Christian College
Aluva




Dr. Seena M. Mathai
Asst. Professor

Submitted for the examination held on

.....

Examiners
1. 
2. 



CERTIFICATE

This is to certify that the dissertation submitted by MEGHA (Reg.No.180021048506) titled 'COMPARISON OF GENDER ROLE ATTITUDE AMONG ADOLESCENTS WHO WATCH AND DON'T WATCH TELEVISION SERIALS' is an authentic record of research work done by her during the academic year 2018- 2021 in partial fulfilment for the award of Bachelor of Science in Psychology.

Seena

Dr. Seena M Mathai
Supervising teacher



SMA
Ms. Sina Soosan Abraham
Head of the Department
Head of the Department
Union Christian College
Aluva - 683 102

Submitted for the examination held on

Examiner 1

Uidhys

Examiner 2

Murali

UNION CHRISTIAN COLLEGE, ALUVA
DEPARTMENT OF PSYCHOLOGY



CERTIFICATE

Certified that this dissertation entitled "**INFLUENCE OF TELEVISION SERIAL WATCHING ON GENDER ROLE ATTITUDE IN YOUNG WOMEN**", is a record of work done by Susan Merin Varghese., Reg. no.180021048517, during Sixth Semester, under the guidance of Dr. Seena M Mathai, Asst. professor, Dept. of Psychology, Union Christian College, Aluva for completing B. Sc. Psychology course in the academic year 2018-2021

S. Soosan Abraham

S. S. A

Ms. Syna Soosan Abraham
Head of the Department
U.C.College, Aluva



Dr. Seena M Mathai

Dr. Seena M Mathai
Assistant Professor
U.C.College, Aluva

Submitted for the Examination held on

.....

Examiners
1. *Widhya*
2. *Anand*



CERTIFICATE

This is to certify that the dissertation submitted by **HARIKRISHNAN B** (Reg No. **180021048502**) titled '**Academic Difficulties faced by students in online classes**' is a record of research work done by her during the academic year 2018-2021 in partial fulfilment for the award of Bachelor of Science in Psychology. The work presented in this project has not been submitted for any degree, diploma or title.

Ms. Syna Soosan Abraham

Supervising teacher



Ms. Syna Soosan Abraham

Head of the Department

Department of Psychology
Anna Chettiar College
Aluva - 683 102

Submitted for the examination held on:

Examiners:

**CHILDREN'S PERCEPTION OF PARENTAL INVOLVEMENT DURING
LOCKDOWN IN THE COVID 19**

A Dissertation Submitted to the Mahatma Gandhi University in Partial Fulfilment of
the Requirements for the Award of the Degree of

Bachelor of Science in Psychology



Submitted By

AMRITHA S
Reg.No.180021048484

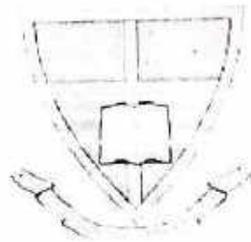
Under the Guidance of
Ms. Syna Soosan Abraham
Assistant Professor

RESEARCH & POST GRADUATE DEPARTMENT OF PSYCHOLOGY

UNION CHRISTIAN COLLEGE, ALUVA

JULY 2021

UNION CHRISTIAN COLLEGE, ALUVA
DEPARTMENT OF PSYCHOLOGY



CERTIFICATE

Certified that this dissertation entitled **"INSTAGRAM USE AND ITS EFFECTS ON SELF-ESTEEM AND EMOTIONAL COMPETENCE"**, is a record of work done by Ms. ANAGHA E S., Reg. no.180021048486, during sixth semester, under the guidance of Dr. Seena M Mathai, Asst. professor, Dept. of Psychology, Union Christian College, Aluva for completing B. A. Psychology course in the academic year 2020-2021

S. L. I.
~~Ms. Syna Soosan Abraham~~ Department of
Department of Psychology
Head of the Department Christ in College
Aluva - 686 102

Seena M
Dr. Seena M. Mathai
Asst. Professor



Examiner:

Manu
Udaya



CERTIFICATE

This is to certify that the dissertation submitted by **ELIZABETH JAIMON** (Reg.No **180021048498**) titled '**Instagram use and its effects on Self-esteem and Emotional competence**' is a record of research work done by her during the academic year 2018-21 in partial fulfillment for the award of Bachelor of Science in Psychology.

Dr. Seena M Mathai

Assistant Professor

Guide



Ms.Syna Soosan Abraham

Assistant Professor

Head of the Department

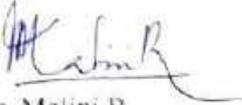
Submitted for the examination held on:

Examiners:



CERTIFICATE

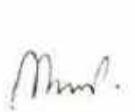
This is to certify that the dissertation submitted by **SREEJAYA M NAIR**,
(Reg.No180021048516) titled '**RELIGIOSITY AND GENDER ROLES ATTITUDE OF
YOUNG ADULTS**' is a record of research work done by
her during the academic year 2018-2021 in partial fulfilment for the award of Bachelor
of Science in Psychology.

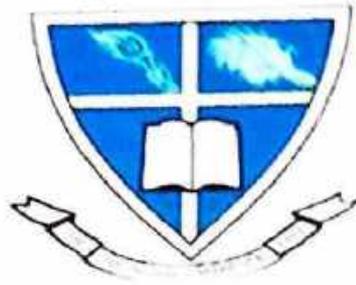

Dr. Malini R.
Assistant Professor
Guide




Ms. Syna Soosan Abraham
Assistant Professor
Head of the Department

Submitted for the examination held on: 22nd July 2021

Examiners:  



CERTIFICATE

This is to certify that the dissertation entitled '**HAPPINESS AND ANGER AMONG COLLEGE STUDENTS WITH AND WITHOUT EXTRA CURRICULAR PARTICIPATION**' is a record of research work done by Ms. DIVYA G VIMAL (Reg no:180021048495) during the 6th semester under Ms.SHEMA ELIZABETH KOVOOR, Assistant Professor in partial fulfilment for the award of Bachelor of Science in Psychology in the academic year 2018-2021.


Ms. Shema Elizabeth Kovoora

Supervising teacher

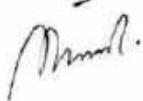



Ms. Syna Soosan Abraham

Head of the Department

Submitted for the examination held on:

Examiners:



CERTIFICATE

This is to certify that the dissertation submitted by **ASHITHA ANOOP**,
(Reg.No180021048492) titled '**RELIGIOSITY AND ATTITUDE TOWARDS
HOMOSEXUALITY IN YOUNG ADULTS**' is a record of research work done by
her during the academic year 2018-2021 in partial fulfilment for the award of Bachelor
of Science in Psychology.

Dr. Malini R.

Guide

Ms. Syna Soosan Abraham

Head of the Department

Head of the Department
Department of Psychology
Union Christian College
Aluva - 683 102

Submitted for the examination held on:

Examiners:



UNION CHRISTIAN COLLEGE
DEPARTMENT OF PSYCHOLOGY



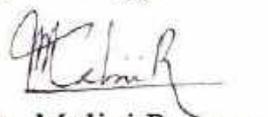
CERTIFICATE

This is to certify that the project submitted by **DEVIKA VIJAYAKRISHNAN** (Reg. No. **180021048494**) titled '*Religiosity and Resilience in Young Adults*' is an authentic record of research work done by her during the academic year 2018-2021 in partial fulfilment for the award of Bachelor of Science in Psychology.


Ms. Syna Soosan Abraham
Head of the Department

Union Christian College
77-9-200702




Dr. Malini R
Guide

Submitted for the examination held on: 19/07/2021

Examiners.....  



CERTIFICATE

This is to certify that the dissertation submitted by **ANILA DANIEL**,
(Reg.No**180021048483**) titled '**ANGER AND ACHIEVEMENT MOTIVATION
AMONG COLLEGE STUDENTS WHO ARE ACTIVE PARTICIPANTS OF
SPORTS**' is a record of research work done by her during the academic year 2018-2021
in partial fulfilment for the award of Bachelor of Science in Psychology.

Ms. Shema Elizabeth Kooror

Guide



Ms. Syna Soosan Abraham

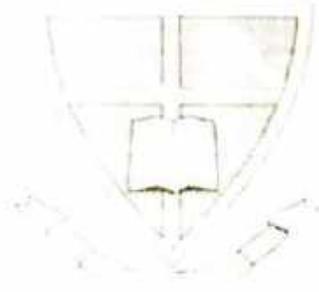
Head of the Department

Department of Psychology
Mar Thoma Syrian College
Aluva - 686 122

Submitted for the examination held on:

Examiners:





CERTIFICATE

This is to certify that the dissertation submitted by **ANCHU RAMACHANDRAN** (Reg.No 180021048487) titled **'Instagram use and its effects on self-esteem and emotional competence'** is a record of research work done by her during the academic year 2018-2021 in partial fulfillment for the award of Bachelor of Science in Psychology

Seena

S. M. I.

Dr. Seena Mathai
Assistant Professor
Guide
Submitted for the examination held on:

Mr. Sybil Soosain Abraham
Assistant Professor
Head of the Department
Department of Psychology
Alva's College for Women
Alva - 623 102

Examiners:

Amal
Widhya





CERTIFICATE

This is to certify that the dissertation submitted by **PRINSLA SAJAN** (Reg No. **180021048512**) titled '**Emotional Competence and Study Skills of Undergraduate NCC and Non NCC Students**' is a record of research work done by her during the academic year 2018-2021 in partial fulfilment for the award of Bachelor of Science in Psychology. The work presented in this project has not been submitted for any degree, diploma or title.

Vidhya
23/07/2021

Dr. Vidhya Ravindranadan

Supervising teacher

S. Soosan

Ms. Syna Soosan Abraham

Head of the Department

Submitted for the examination held on: 23.07.2021

Examiners

Vidhya
Mural

UNION CHRISTIAN COLLEGE, ALUVA
DEPARTMENT OF PSYCHOLOGY



CERTIFICATE

Certified that this dissertation entitled "A STUDY ON ANGER AND ALTRUISM AMONG ADOLECENT GIRLS", is a record of work done by Ms. DIVYA.S, Reg. no.180021048496, during sixth semester, under the guidance of Ms. SHEMA ELIZABETH KOVOOR, Asst. professor, Dept. of Psychology, Union Christian College, Aluva for completing B.Sc Psychology course in the academic year 2018-2021.


Dr. Syna Soosan Abraham

Head of the Department
Department of Psychology
Union Christian College
Aluva - 683 102




Ms. Shema Elizabeth
Kovoora
Asst. Professor

Submitted for the examination held on

.....

Examiners
1. 
2. 

UNION CHRISTIAN COLLEGE, ALUVA



CERTIFICATE

This is to certify that this dissertation entitled "STUDY ON JOB INVOLVEMENT, TIME MANAGEMENT AND JOB SATISFACTION OF IT PROFESSIONALS DURING COVID-19 PANDEMIC" is a record of work done by Ms. SERENE SARA MATHEW, Reg.No.190011021713 under the guidance of Mrs. Malini. R. during fourth semester of M.Sc. Psychology programme in the academic year 2019- 2021.

Mrs. Syna Soosan Abraham
Head of the Department

Mrs. Malini R.
Supervising teacher

Submitted for the examination held on: 18-8-2021

Examiner



DEPARTMENT OF PSYCHOLOGY
UNION CHRISTIAN COLLEGE
ALUVA – 683120



CERTIFICATE

This is to certify that the dissertation entitled "SENSATION SEEKING, PERCEIVED SOCIAL SUPPORT, RISK TAKING BEHAVIOUR IN TRAVEL ENTHUSIASTS" is an authentic record of research work carried out by AKHILESH THOMAS SUNNY, Reg.No. 190011021700. Union Christian College, Aluva under my supervision and guidance and that it has not been submitted to any other university or institution for the award of any degree or diploma, fellowship, title or recognition before.


Ms. ~~Sunny~~ Soosan Abraham
HoD Dept. of Psychology
Union Christian College, Aluva


Dr. Seena M Mathai
Research Guide
Asst. Professor
Dept. of Psychology

Place: Aluva

External Examiner 

Date: 18-08-2021

Internal Examiner 



UNION CHRISTIAN COLLEGE, ALUVA



CERTIFICATE

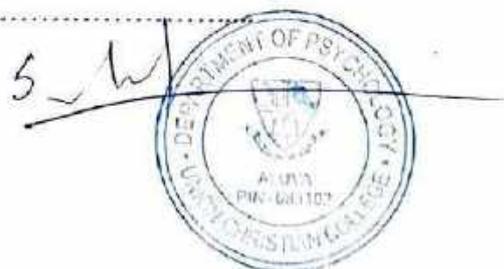
This is to certify that this dissertation entitled “PREMENSTRUAL DISTURBANCES AND PERCIEVED SOCIAL SUPPORT AMONG ADOLESCENTS” is a record of work done by **Ms. Shifana mol k** Reg.No-190011021714 under the guidance of **Mrs. Shema Elizabeth Kovoov** during fourth semester of M.Sc. Psychology programme in the academic year 2019-2021.

Mrs. Syna Soosan Abraham
Head of the Department
Head of the Department
Union Christian College
Aluva - 683 102

Mrs. Shema Elizabeth Kovoov
Supervising teacher

Submitted for the examination held on:

Examiner



RESEARCH AND POST GRADUATE DEPARTMENT OF PSYCHOLOGY

UNION CHRISTIAN COLLEGE, ALUVA



CERTIFICATE

This is to Certify that this dissertation entitled "**BURNOUT, SOCIAL SUPPORT AND JOB SATISFACTION OF SCHOOL TEACHERS IN ONLINE TEACHING**", is a record of work done by **Ms. ANNIE JAMES, Reg. no. 190011021704**, under the guidance of Dr. Malini R. during fourth semester of **MASTERS DEGREE IN PSYCHOLOGY** during the academic year 2019-2021.

Ms. Syna Soona Abraham

Head of the Department

Department of Psychology
Union Christian College
Aluva - 683 102

Dr. Malini R.

18/8/2021

Supervising teacher

Submitted for the examination held on.....18/8/2021.....

Examiners

i.

ii.



RESEARCH AND POST GRADUATE DEPARTMENT OF PSYCHOLOGY

UNION CHRISTIAN COLLEGE, ALUVA



CERTIFICATE

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Dr. Malini R.
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Submitted for the examination held on.....18/8/2021.....

Examiners

- i.
- ii.



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Examiner 1






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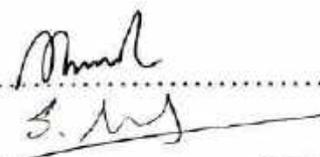
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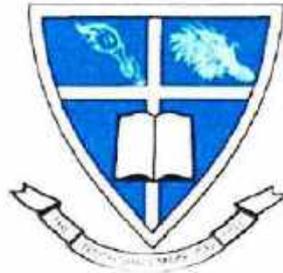

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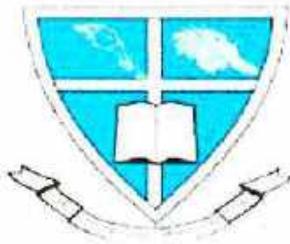
Examiners

i 

ii 

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CERTIFICATE

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ii. 



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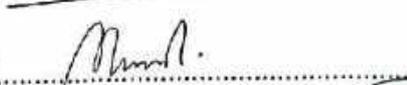
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Submitted for the examination held on...16.08.2021.....

Examiners i. 
ii. 



Religious Rituals and Superstition portrayed in

***One Part Woman* by Perumal Murughan**

Dissertation submitted to Mahatma Gandhi University

in partial fulfillment of requirement for the award of the Degree of Bachelor of Arts in

English Language and Literature

Submitted by

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VI Semester

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2018-2021

A Perusal of Serial Killers based on The Silence of the Lambs

By Thomas Harris

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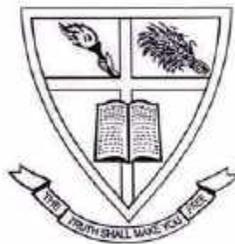
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VI Semester

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**Redefining the Self : Veronica Roth's Divergent as a Feminist
Quest for Self-assertion.**

Dissertation submitted to Mahatma Gandhi University
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The Disempowerment of Dalit Woman: A Reading of Baby Kamble's

The Prisons We Broke

Dissertation submitted to Mahatma Gandhi University in the partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

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Politics of Death: A Reading of Anand's *The Book of Destruction*

Dissertation submitted to Mahatma Gandhi University

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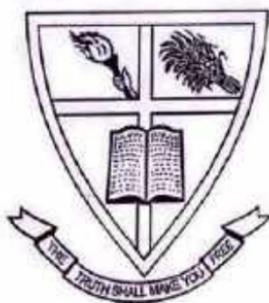
An Ecofeminist Reading on Anita Desai's *Fire on the Mountain*

Dissertation submitted to Mahatma Gandhi University in partial fulfilment of requirements for the award of the Degree of Bachelor of Arts in English Language and Literature.

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Politics of Death: A Reading of Anand's *The Book of Destruction*

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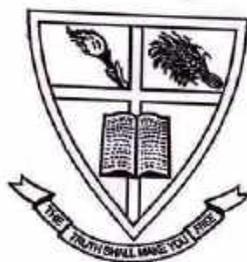
**Narrative Prosthesis and Social Model of Disability: A Closer Look
into *Wonder* by RJ Palacio**

Dissertation Submitted to Mahatma Gandhi University
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**The Enjoyment of Evil in
A Clockwork Orange by Anthony Burgess**

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2018-2021**

**Migrant Goats and Panoptic Jasmines: Power, Agency and
Surveillance in Benyamin's *Goat Days* and *Jasmine Days***

Dissertation submitted to Mahatma Gandhi University in the partial fulfilment of the
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VI Semester

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Feminism in *The Story of an Hour* and *The Yellow wallpaper*

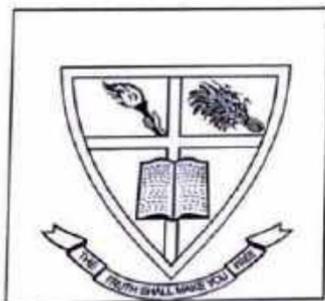
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Diaspora and Naxalism in The Lowland

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**From Desperation to Emergence: A Thematic Description of Select
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VI Semester

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Mockery of Patriarchy: Discourses of Resistance in Anita Desai's

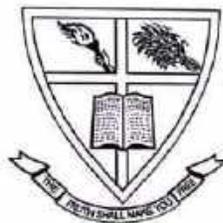
In Custody

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Looking Through the Smokescreen of Progressiveness: A Study of

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Dissertation Submitted to Mahatma Gandhi University in partial fulfilment of requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

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The Optimistic Hues of Dalit Feminism: A Panoramic Dissection of Women Characters in Gogu Shyamala's *Father may be an Elephant and Mother only a Small Basket, But...*

Dissertation Submitted to Mahatma Gandhi University in partial fulfillment of requirements for the award of the Degree of Bachelor of Arts in English Language and Literature.

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Spiritual Dissonance : A Study of Role Conflict in *The Two Popes*

Dissertation submitted to Mahatma Gandhi University in the partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and

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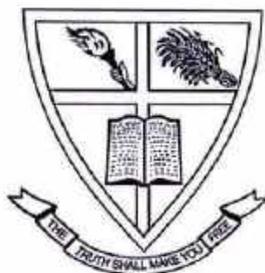
**Visualizing Sci-Fi Emotion: A Study of the Representation of Love in
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2018-2021

Nature and Women: An Ecofeminist Analysis of Amitav Ghosh's *The*

Hungry Tide

Dissertation submitted to Mahatma Gandhi University in the partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

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**Identity Crisis and Multiculturalism in Jhumpa Lahiri's *The
Namesake***

Dissertation submitted to Mahatma Gandhi University in the partial fulfillment of the
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Post-Colonial Identity in Kiran Desai's *The Inheritance of Loss*

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Poems as \ for Refugees:A Thematic Analysis of certain

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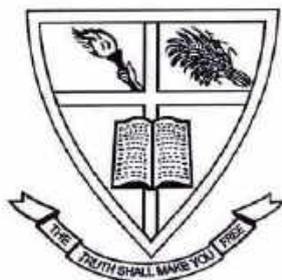
**Seeing the 'Human' in the 'Animal': An anthropomorphic Reading
of *Poonachi***

Dissertation Submitted to Mahatma Gandhi University in partial fulfilment of
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and Literature

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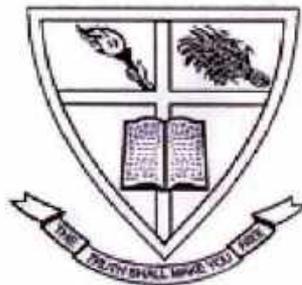
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***Twelve Years a Slave: Glimpse into the
Traumatic Lives of the Enslaved***

Dissertation Submitted to Mahatma Gandhi University
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Submitted by
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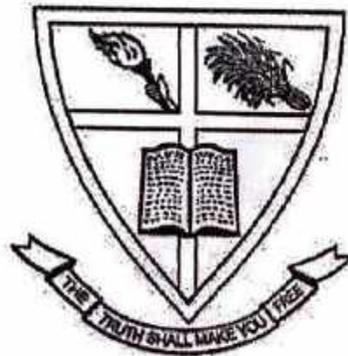
**Ambikasutan Mangad's *Swarga*: A Literary Voice Of
Environmental Crisis**

Dissertation submitted to Mahatma Gandhi University in partial
fulfilment of requirements for the award of the Degree of Bachelor of
Arts in English Language and Literature.

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**Focalization and it's Variation in Emma Donoghue's *Room* and it's
Film Adaptation**

Dissertation submitted to Mahatma Gandhi University in the partial fulfillment of
the requirements for the award of the Degree of Bachelor of Arts in English
Language and Literature

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2018-2021

Ecological Perspectives in Ruskin Bond's *Angry River and The Blue*

Umbrella

Dissertation Submitted to Mahatma Gandhi University in partial fulfillment of requirements for the award of the Degree of Bachelor of Arts in English Language and Literature.

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Destruction of Stereotypes in *Me Hijra Me Laxmi*

Dissertation submitted to Mahatma Gandhi University

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**Celebration of Macabre: (Re) Presentation of Violence in
Richard Connell's *The Most Dangerous Game***

Dissertation submitted to Mahatma Gandhi University

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in English language and literature

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Arjun P Sathyan

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B. A English Language and Literature

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2018-2021

Uprooted from Homeland and a Search for Belonging in Anjum

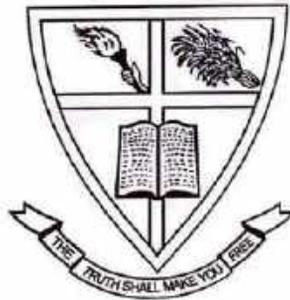
Hasan's *NetiNeti*

Dissertation submitted to Mahatma Gandhi University in partial fulfilment of requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

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Discourses of Existentialism- A Reading of Anita Desai's *In Custody*

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of requirements for the award of the Degree of Bachelor of Arts

in English Language and Literature

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Performing the Female Gothic: A Study of *Bulbbul*

Dissertation submitted to Mahatma Gandhi University

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English Language and Literature

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**Man and Animal: An Ecocritical Reading of Yann Martel's
*Life of Pi***

Dissertation submitted to Mahatma Gandhi University in partial
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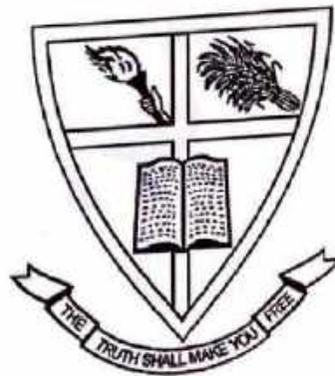
**Zest for Life: Reading Aravind Adiga's *Selection Day* as a
Bildungsroman.**

Dissertation submitted to Mahatma Gandhi University in partial
fulfilment of requirements for the award of the Degree of Bachelor of
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2018-2021

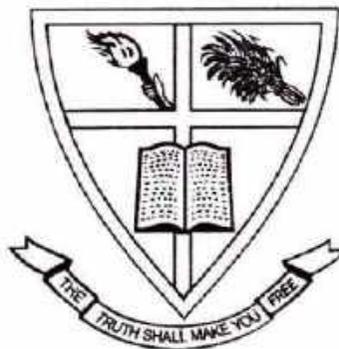
**Seeing the 'Human' in the 'Animal': An anthropomorphic Reading
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Dissertation Submitted to Mahatma Gandhi University in partial fulfilment of
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Becoming A Tree: A Quiet Rebellion In Han Kang's *The Vegetarian*

Dissertation submitted to Mahatma Gandhi University in the partial fulfillment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

Submitted by

ANANDU RAJ

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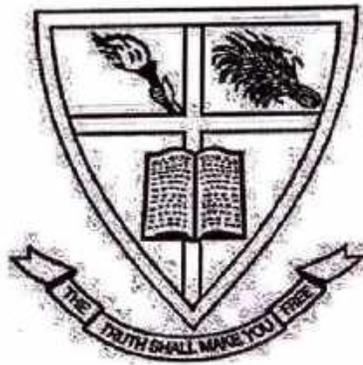
Reinterpretation of The Ramayana: *The vigil* by Sarah Joseph

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Submitted by

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VI Semester

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RACISM PORTRAYED IN *SING UNBURIED SING* BY

JESMYN WARD

Dissertation submitted to Mahatma Gandhi University in the partial fulfillment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

Submitted by

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VI Semester

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Voicing subalterns in Amitav Ghosh's *Flood Of Fire*

Dissertation submitted to Mahatma Gandhi University in the partial fulfillment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

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Sociological approach: Luckiest girl Alive by Jessica Knoll

Dissertation submitted to Mahatma Gandhi University
in the partial fulfilment of the requirements for the award
of the Degree of Bachelor of Arts in English Language and
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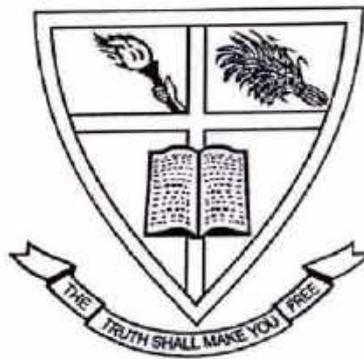
Psychoanalytic Approach of The Road by McCarthy

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VI Semester

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2018-2021

Exploring the Diasporic Ethos in Zadie Smith's *White Teeth*

Research project submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of the Degree of Bachelor of Arts in English Language and Literature

Submitted by
Nejitha Jamal



Reg No: 170021009147

VI semester

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Union Christian College, Aluva

2018-2021

**NARRATING THE NATION IN POST COLONIAL TIMES; READING
ARAVIND ADIGA'S BETWEEN THE ASSASSINATIONS**

Dissertation submitted to Mahatma Gandhi University in the partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

Submitted by
KEERTHANA K. A
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VI Semester
BA English Language and Literature
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2018-2021

Marginalization and Transformation in Aravind Adiga's

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VI Semester

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Narrating from the margins: Sudha Murthy's *Three Thousand Stitches*

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JINFIYA NARGEES

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VI Semester

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Department of English

Union Christian College, Aluva

2018-2021

A Tale of Violence & Paganism in The Film ‘*Midsommar*’ by

Ari Aster

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VI Semester

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2018-2021

A Masculinist Reading of *The Cock is the Culprit* by UnniR

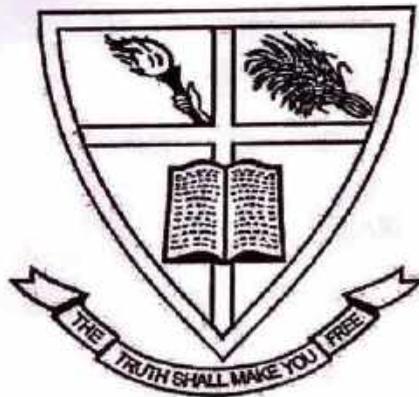
Dissertation submitted to Mahatma Gandhi University in partial fulfilment
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Language and Literature

Submitted by

FATHIMA A A

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VI Semester

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Christian College, Aluva (2018-2021)

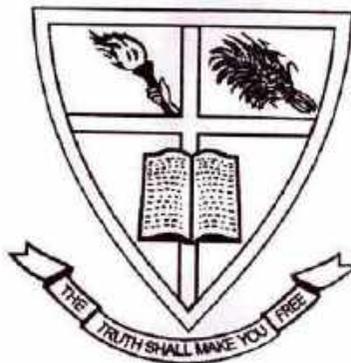
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VI Semester

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Union Christian College, Aluva

2018-2021

**Shifting Narratives and The Art of Deception in Literary and Crime
Fiction in a Post-truth Era : A Study of Gillian Flynn's *Gone Girl***

Dissertation submitted to Mahatma Gandhi University in
partial fulfilment of requirements for the award of the Degree of
Bachelor of Arts in English Language and Literature

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2018-2021

**Psychoanalysis and Moral Development in Children's
Literature: A Theoretical Study of the novel *Charlie and the
Chocolate Factory***

Dissertation submitted to Mahatma Gandhi University in the partial fulfillment of the
requirements for the award of the Degree of Bachelor of Arts in English Language
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Union Christian College, Aluva

2018-2021

**Selective Representation: A Critique of the Portrayal of
History in S. L. Bhyrappa's *Aavarana***

*Research proposal submitted to Mahatma Gandhi University, Kottayam in partial
fulfillment of the requirement for the award of the degree of Bachelor of Arts in English*

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Union Christian College, Aluva

2018-2021

***Twelve Years a Slave: Glimpse into the
Traumatic Lives of the Enslaved***

Dissertation Submitted to Mahatma Gandhi University
in partial fulfilment of requirements for the award of the Degree of Bachelor of
Arts in English Language and Literature

Submitted by
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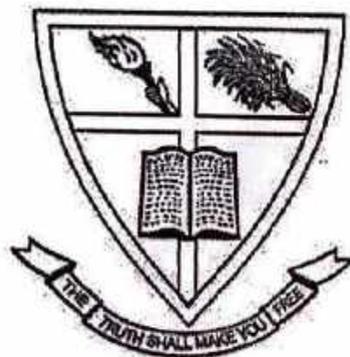
**Ambikasutan Mangad's *Swarga*: A Literary Voice Of
Environmental Crisis**

Dissertation submitted to Mahatma Gandhi University in partial
fulfilment of requirements for the award of the Degree of Bachelor of
Arts in English Language and Literature.

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2018-2021

**Focalization and it's Variation in Emma Donoghue's *Room* and it's
Film Adaptation**

Dissertation submitted to Mahatma Gandhi University in the partial fulfillment of
the requirements for the award of the Degree of Bachelor of Arts in English
Language and Literature

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Ecological Perspectives in Ruskin Bond's *Angry River and The Blue*

Umbrella

Dissertation Submitted to Mahatma Gandhi University in partial fulfillment of requirements for the award of the Degree of Bachelor of Arts in English Language and Literature.

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Destruction of Stereotypes in *Me Hijra Me Laxmi*

Dissertation submitted to Mahatma Gandhi University

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Arts in English Language and Literature

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Union Christian College, Aluva 2018-2021

**Celebration of Macabre: (Re) Presentation of Violence in
Richard Connell's *The Most Dangerous Game***

Dissertation submitted to Mahatma Gandhi University

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2018-2021

Uprooted from Homeland and a Search for Belonging in Anjum

Hasan's *NetiNeti*

Dissertation submitted to Mahatma Gandhi University in partial fulfilment of requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

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VI Semester

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2018-2021

Discourses of Existentialism- A Reading of Anita Desai's *In Custody*

Dissertation submitted to Mahatma Gandhi University

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VI Semester

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2018-2021

Performing the Female Gothic: A Study of *Bulbbul*

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of requirements for the award of the Degree of Bachelor of Arts in

English Language and Literature

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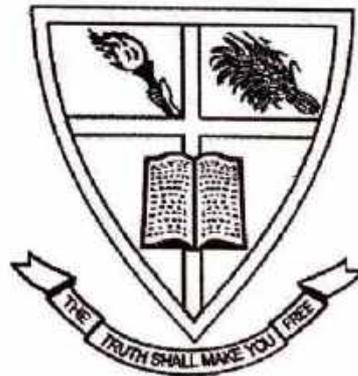
**Man and Animal: An Ecocritical Reading of Yann Martel's
*Life of Pi***

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VI Semester

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2018-2021

**Zest for Life: Reading Aravind Adiga's *Selection Day* as a
Bildungsroman.**

Dissertation submitted to Mahatma Gandhi University in partial
fulfilment of requirements for the award of the Degree of Bachelor of
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VI Semester

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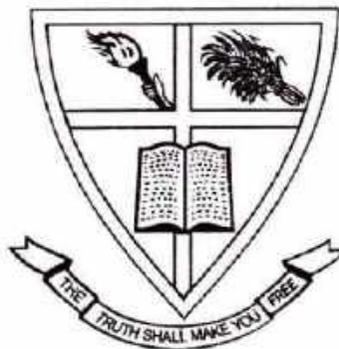
**Seeing the 'Human' in the 'Animal': An anthropomorphic Reading
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VI Semester

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2018-2021

Becoming A Tree: A Quiet Rebellion In Han Kang's *The Vegetarian*

Dissertation submitted to Mahatma Gandhi University in the partial fulfillment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

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VI Semester

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2018-2021

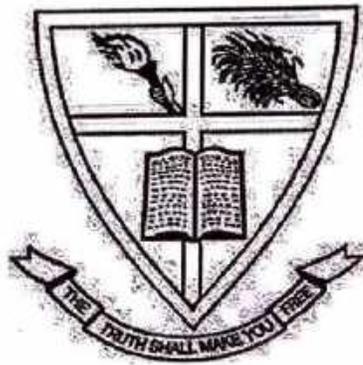
Reinterpretation of The Ramayana: *The vigil* by Sarah Joseph

Dissertation submitted to Mahatma Gandhi University in partial fulfilment of requirements for the award of the Degree of Bachelor of Arts in English Language and Literature.

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ANAKHA K P

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VI Semester

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2018-2021

RACISM PORTRAYED IN *SING UNBURIED SING* BY

JESMYN WARD

Dissertation submitted to Mahatma Gandhi University in the partial fulfillment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

Submitted by

ANNA MARIYA

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VI Semester

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2018-2021

Voicing subalterns in Amitav Ghosh's *Flood Of Fire*

Dissertation submitted to Mahatma Gandhi University in the partial fulfillment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

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Sociological approach: Luckiest girl Alive by Jessica Knoll

Dissertation submitted to Mahatma Gandhi University
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Literature

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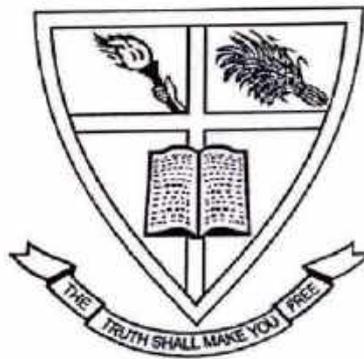
Psychoanalytic Approach of The Road by McCarthy

Dissertation Submitted to Mahatma Gandhi University to partial fulfilment of requirements for the award of the Degree of Bachelor of Arts in English Language and Literature.

Submitted by

RITHI SNEHA TOMY

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VI Semester

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Union Christian College, Aluva

2018-2021

Exploring the Diasporic Ethos in Zadie Smith's *White Teeth*

Research project submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of the Degree of Bachelor of Arts in English Language and Literature

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2018-2021

A Masculinist Reading of *The Cock is the Culprit* by UnniR

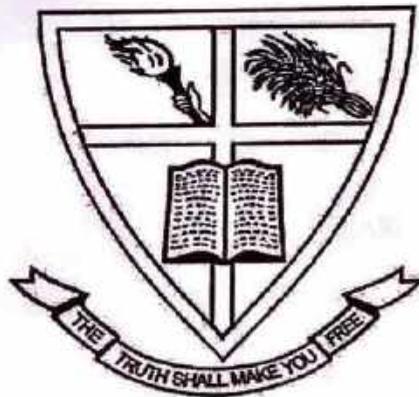
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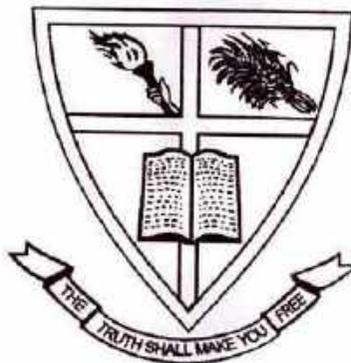
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MARIA DENNY

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VI Semester

BA English Language and Literature

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Union Christian College, Aluva

2018-2021

Religious Rituals and Superstition portrayed in

***One Part Woman* by Perumal Murughan**

Dissertation submitted to Mahatma Gandhi University

in partial fulfillment of requirement for the award of the Degree of Bachelor of Arts in

English Language and Literature

Submitted by

AKHILA M E

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VI Semester

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Union Christian College, Aluva

2018-2021

A Perusal of Serial Killers based on The Silence of the Lambs

By Thomas Harris

Dissertation Submitted to Mahatma Gandhi University

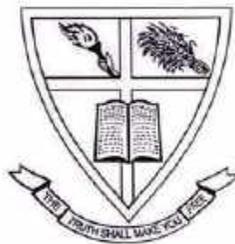
in partial fulfilment of requirements for the award of the Degree of Bachelor of Arts

in English Language and Literature

Submitted by

KARTHIKA K ANIL

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VI Semester

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Union Christian College, Aluva

2018-2021

**Redefining the Self : Veronica Roth's Divergent as a Feminist
Quest for Self-assertion.**

Dissertation submitted to Mahatma Gandhi University
in the partial fulfilment of the requirements for the award
of the Degree of
Bachelor of Arts in English Language and Literature

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VI Semester

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Union Christian College, Aluva

2018-2021

The Disempowerment of Dalit Woman: A Reading of Baby Kamble's

The Prisons We Broke

Dissertation submitted to Mahatma Gandhi University in the partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

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VI Semester

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Union Christian College, Aluva

2018-2021

Politics of Death: A Reading of Anand's *The Book of Destruction*

Dissertation submitted to Mahatma Gandhi University

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VI Semester

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2018-2021

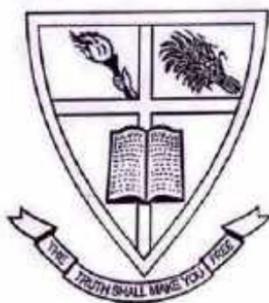
An Ecofeminist Reading on Anita Desai's *Fire on the Mountain*

Dissertation submitted to Mahatma Gandhi University in partial fulfilment of requirements for the award of the Degree of Bachelor of Arts in English Language and Literature.

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SEBIN XAVIER

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2018-2021

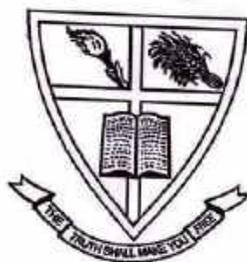
**Narrative Prosthesis and Social Model of Disability: A Closer Look
into *Wonder* by RJ Palacio**

Dissertation Submitted to Mahatma Gandhi University
in partial fulfilment of requirements for the award of the Degree of Bachelor
of Arts in English Language and Literature

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SANDRA THOMSON

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VI Semester

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Union Christian College, Aluva

2018-2021

**The Enjoyment of Evil in
A Clockwork Orange by Anthony Burgess**

**Dissertation Submitted to Mahatma Gandhi University
in partial fulfilment of requirements for the award of the Degree of Bachelor of Arts
in English Language and Literature**

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ROHITH R

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**VI Semester
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Union Christian College, Aluva
2018-2021**

**Migrant Goats and Panoptic Jasmines: Power, Agency and
Surveillance in Benyamin's *Goat Days* and *Jasmine Days***

Dissertation submitted to Mahatma Gandhi University in the partial fulfilment of the
requirements for the award of the Degree of Bachelor of Arts in English Language
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VI Semester

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Union Christian College, Aluva

2018-2021

Feminism in *The Story of an Hour* and *The Yellow wallpaper*

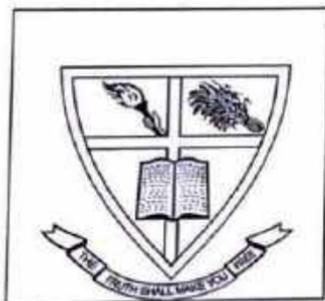
Submitted to Mahatma Gandhi University in partial fulfilment of requirements for the award of the Degree of Bachelor of Arts in English

Language and Literature.

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VI Semester

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Union Christian College, Aluva

2018-2021

Diaspora and Naxalism in The Lowland

Dissertation submitted to Mahatma Gandhi University in the partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature.

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VI Semester

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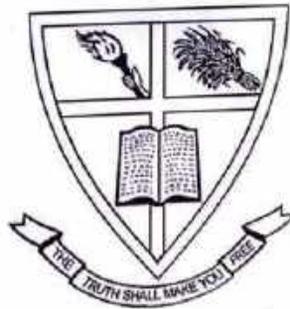
**From Desperation to Emergence: A Thematic Description of Select
Dalit Texts**

Dissertation Submitted to Mahatma Gandhi University in partial fulfilment of
requirements for the award of the Degree of Bachelor of Arts in English Language
and Literature.

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VI Semester

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2018 – 2021

Mockery of Patriarchy: Discourses of Resistance in Anita Desai's

In Custody

Dissertation Submitted to Mahatma Gandhi University in partial fulfillment of requirements for the award of the Degree of Bachelors of Arts in English Language and Literature

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Looking Through the Smokescreen of Progressiveness: A Study of

Manu Joseph's *Serious Men*

Dissertation Submitted to Mahatma Gandhi University in partial fulfilment of requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

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VI Semester

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**The Optimistic Hues of Dalit Feminism: A Panoramic Dissection of
Women Characters in Gogu Shyamala's *Father may be an Elephant
and Mother only a Small Basket, But...***

Dissertation Submitted to Mahatma Gandhi University in partial fulfillment of
requirements for the award of the Degree of Bachelor of Arts in English Language
and Literature.

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2018-2021

Spiritual Dissonance : A Study of Role Conflict in *The Two Popes*

Dissertation submitted to Mahatma Gandhi University in the partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and

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2018-2021

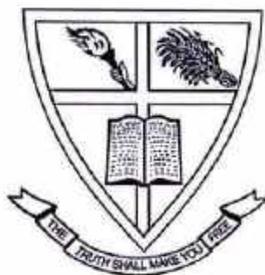
**Visualizing Sci-Fi Emotion: A Study of the Representation of Love in
*Interstellar***

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and Literature.

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VI Semester

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Nature and Women: An Ecofeminist Analysis of Amitav Ghosh's *The*

Hungry Tide

Dissertation submitted to Mahatma Gandhi University in the partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

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VI Semester

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Union Christian College, Aluva

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**Identity Crisis and Multiculturalism in Jhumpa Lahiri's *The
Namesake***

Dissertation submitted to Mahatma Gandhi University in the partial fulfillment of the
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2018-2021

Post-Colonial Identity in Kiran Desai's *The Inheritance of Loss*

Dissertation submitted to Mahatma Gandhi University in the partial fulfillment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

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VI Semester

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Union Christian College, Aluva

2018-2021

Poems as \ for Refugees:A Thematic Analysis of certain

Refugee - poems.

Dissertation submitted to Mahatma Gandhi University in the partial fulfillment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature

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2018-2021

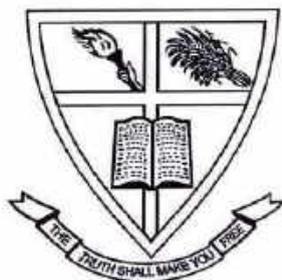
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