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Certificate

This is to certify that 24 students from Sacred heart college, Chalakudy attended Soil day celebration 2022 conducted by Agronomic Research Station, Chalakudy on 5th December 2022.

Place: Chalakudy

Date: 05.12.2022

KERALA AGRICULTURAL UNIVERSITY ★ CHALAKUDY 680 307 ★ AGRONOMIC RESEARCH STATION

Professor & Head
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SOIL ANALYSIS AS A TOOL FOR DIAGNOSIS OF NUTRITIONAL DISORDER IN MANGOSTEEN

Submitted to the University of Calicut in Partial fulfillment ofthe degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

MAYADEVI V M

REGISTER NO: SHAVMCH009



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2023

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CERTIFICATE

This is to certify that the project entitled "Soil analysis as a tool to diagnose nutritional disorder in mangosteen " is the bonafide report of original workcarried out by Ms Mayadevi.V.M(SHAVMCH009) Sacred Heart College Chalakudy in the department of Agronomic Research Station Chalakudy,under the guidance of Dr Mini Abraham, Professor (Agronomy)as a part of her curriculm.

No part of the work reported in the project has been presented for any degree from any other institutions.

Dr Mini Abraham,

Professor

(Head of the department)

Dr. MINI ABRAHAM
Professor (Agron)
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This is to certify that the project work entitled "Soil Analysis as a tool for Diagnosis of nutritional disorder in mangosteen" is a record of original work done independently by Mayadevi V.M register no: SHAVMCH009 in the partial fulfillment of the requirement for the award of degree of MSC Chemistry of University of Calicut. I further certify that no part of this dissertation has been submitted earlier for the award of any degree or institution.

Chalakudy
Date:

Dr. Santhosh Paul
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LEAF ANALYSIS AS A TOOL TO DIAGNOSE FOLIAR NECROSIS IN RAMBUTAN

Submitted to the University of Calicut in Partial fulfillment of the degree of

MASTER OF SCIENCE IN CHEMISTRY

NIVEDHYA RAJEESH

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This is to certify that the project work entitled "LEAF ANALYSIS AS A TOOL TO DIAGNOSE FOLIAR NECROSIS IN RAMBUTAN" is a record of original work done independently by NIVEDHYA RAJEESH register no: SHAVMCH011 in the partial fulfillment of the requirement for the award of degree of M.Sc. Chemistry of University of Calicut. I further certify that no part of this dissertation has been submitted earlier for the award of any degree or institution.

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CERTIFICATE

This is to certify that the project work entitled "LEAF ANALYSIS AS A TOOL TO DIAGNOSE FOLIAR NECROSIS IN RAMBUTAN" is a record of original work done independently by NIVEDHYA RAJEESH register no: SHAVMCH011 in the partial fulfillment of the requirement for the award of degree of M.Sc. Chemistry of University of Calicut,under the guidence of Dr Mariya M S, Assistant professor,Agronamic research station.,chalakudy,as a part of her curriculum. I further certify that no part of this dissertation has been submitted earlier for the award of any degree or institution.

Dr Mariya M S

Assistant professor

Dr. MARIYA DAINY M.S.
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SOIL ANALYSIS AS A TOOL TO DIAGNOSE FOLIAR NECROSIS IN RAMBUTAN

Submitted to the University of Calicut in Partial fulfillment ofthe degree of

MASTER OF SCIENCE IN CHEMISTRY

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This is to certify that the project work entitled "Soil analysis as a tool to diagnose foliar necrosis in Rambutan" is a record of original work done independently by Malavika T.P register no: SHAVMCH008 in the partial fulfillment of the requirement for the award of degree of M. Sc. Chemistry ofUniversity of Calicut. I further certify that no part of this dissertation has been submitted earlier for the award of any degree or institution.

Chalakudy
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This is to certify that the project entitled "Soil analysis as a tool to diagnose foliar necrosis in Rambutan" is the bonafide report of original work carried out by Mr Malavika.T.P (SHAVMCH008) Sacred Heart College, Chalakudy in the department of Agronomic Research Station Chalakudy, under the guidance of Dr Mariya Dainy M. S , Assistant professor (Soil Science and Agricultural Chemistry)as a part of her curriculm.No part of the work reported in the project has been presented for any degree from any other institutions.

Dr Mariya Dainy M. S ,

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PROCESS STANDARDISATION AND PHARMACOGNOSTIC EVALUATION OF AN AYURVEDIC DRUG, *YAVANYARKA*

Dissertation submitted to the University of Calicut in partial; fulfilment of the requirement for the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

BY

ANSAMOL K SHOJAN

REGISTERED NUMBER SHAVMCH003



POST GRADUATE DEPARTMENT OF CHEMISTRY

SACRED HEART COLLEGE, CHALAKUDY

Under the supervision of

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Biochemist

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The pharmaceutical corporation (IM) Kerala limited

Kuttanellur ,Thrissur

Dr. MANOJ A.L
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The Pharmaceutical Corporation
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Kuttanellur P.O., Thrissur
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Oushadhi
ഔഷധി

ദി ഫാർമസ്യൂട്ടിക്കൽ കോർപ്പറേഷൻ
(ഇന്ത്യൻ മെഡിസിൻസ്) കേരള ലിമിറ്റഡ്
(ഒരു കേരള സർക്കാർ സ്ഥാപനം)
കുട്ടനെല്ലൂർ പി.ഒ., തൃശൂർ
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E4-41/2020

04.08.2023

CERTIFICATE

This is to certify that **Ms.Ansamol K Shojan , M.Sc Chemistry** student of Post Graduate Department of Chemistry, Sacred Heart College, Chalakudy has completed a Project titled **"Process Standardisation and Pharmacognostic Evaluation of an Ayurvedic Drug, Yavanyarka"** in The Pharmaceutical Corporation (IM) Kerala Limited, Kuttanellur, Thrissur 01st April 2023 to 31st May 2023.

Her character and conduct during the period has been found good.

Oushadhi

General Manager

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PG DEPARTMENT OF CHEMISTRY

Sacred heart college, Chalakudy

CERTIFICATE

This is to certify that the dissertation entitled **"PROCESS STANDARDISATION AND PHARMACOGNOSTIC EVALUATION OF AN AYURVEDIC DRUG, *YAVANYARKA* "**is a bonafide record of the research work carried out by **ANSAMOL K SHOJAN** under the guidance of **Dr. ANITHA R** Biochemist, Research and Development Wing, Oushadhi, Thrissur for the partial fulfilment for the degree of Master of Science in Chemistry, Calicut University Sacred Heart College Chalakudy,Kerala.

CHALAKUDY

DATE:

DR SANTHOSH PAUL

HEAD OF THE DEPARTMENT OF CHEMISTRY

SACRED HEART COLLEGE

CHALAKUDY

SYNTHESIS AND CHARACTERISATION OF POLYSTYRENE – COTTON FABRIC COMPOSITE

Submitted to the University of Calicut in Partial fulfillment of the degree

MASTER OF SCIENCE IN CHEMISTRY

Submitted by



AISWARYA MARIYA

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This is to certify that the project work entitled ***"SYNTHESIS AND CHARACTERISATION OF POLYSTYRENE- COTTON FABRIC COMPOSITE"*** is record of original work done independently by **AISWARYA MARIYA** Register No: **SHAVMCH001** in the partial fulfillment of the requirement for the award of degree MSc.Chemistry, University of Calicut. I further certify that no part of this dissertation has been submitted earlier for the award of any degree or institution.

Chalakudy

Date: 04/08/2023

Dr.Santhosh Paul

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CERTIFICATE

This is to certify that the project work titled **" Synthesis and characterisation of polystyrene-cotton fabric composite"** is the bonafide report of original work carried out by Ms. Aiswarya Mariya, (Reg.No : SHAVMCH001) Sacred Heart College, Chalakudy in the Department of Polymer Science & Rubber Technology (PS & RT), CUSAT, under the guidance of Dr. Prasanth R and Dr. Sari P.S., during the period from 1st April, 2023 to May 31 ,2023 as a part of her curriculum.

No part of the work reported in the Project has been presented for any degree from any other institution.

DEPARTMENT OF POLYMER SCIENCE AND RUBBER TECHNOLOGY
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SYNTHESIS AND CHARACTERISATION OF POLYSTYRENE – COTTON FABRIC COMPOSITE

Submitted to the University of Calicut in Partial fulfillment of the degree

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

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CERTIFICATE

This is to certify that the project work entitled ***"SYNTHESIS AND CHARACTERISATION OF POLYSTYRENE- COTTON FABRIC COMPOSITE"*** is record of original work done independently by **MEERA K V** Register No: **SHAVMCH010** in the partial fulfillment of the requirement for the award of degree MSc.Chemistry ,University of Calicut. I further certify that no part of this dissertation has been submitted earlier for the award of any degree or institution.

Chalakudy

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This is to certify that the project work titled **" Synthesis and characterisation of polystyrene-cotton fabric composite"** is the bonafide report of original work carried out by Ms. Meera K. V. ,(Reg.No: SHAVMCH010) Sacred Heart College, Chalakudy in the Department of Polymer Science and Rubber Technology (PS & RT), CUSAT, under the guidance of Dr. Prasanth R and Dr. Sari P. S., during the period from 1st April, 2023 to May 31, 2023 as a part of her curriculum.

No part of the work reported in the Project has been presented for any degree from any other institution.

DEPARTMENT OF POLYMER SCIENCE AND RUBBER TECHNOLOGY
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INFLUENCE OF NANOCELLULOSE ON THE PROPERTIES OF NBR RUBBER

Submitted to the University of Calicut in Partial fulfillment of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

AKHILA M S

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This is to certify that the project work entitled "Influence of Nano cellulose on the properties of NBR rubber" is a record of original work done independently by Akhila M S register no: SHAVMCH002 in the partial fulfillment of the requirement for the award of degree of MSC Chemistry of University of Calicut. I further certify that no part of this dissertation has been submitted earlier for the award of any degree or institution.

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07.08.2023

CERTIFICATE

Certified that this project report titled **"INFLUENCE OF NANOCELLULOSE ON THE PROPERTIES OF NBR RUBBER"** is the bonafide work of **Miss. AKHILA M. S.** (Register No.SHAVMCH002), **M.Sc Chemistry** student of **SACRED HEART COLLEGE, Chalakudy** who carried out the project under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

Supervising guide

07.08.2023

External: Dr. DILEEP P.

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COMPARATIVE PHARMACOGNOSTIC EVALUATION OF DIFFERENT TYPES OF GUGGULU PREPARATIONS WITH RESPECT TO METHODS OF PURIFICATION

Dissertation submitted to the University of Calicut in partial fulfillment

Of the requirement for the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

BY

ASWATHI S

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POST GRADUATE DEPARTMENT OF CHEMISTRY

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Under the supervision of

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Biochemist

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Oushadhi
ഔഷധി

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(ഇന്ത്യൻ മെഡിസിൻസ്) കേരള ലിമിറ്റഡ്
(ഒരു കേരള സർക്കാർ സ്ഥാപനം)
കുട്ടനെല്ലൂർ പി.ഒ., തൃശൂർ
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CERTIFICATE

This is to certify that **Ms.Aswathi . S, M.Sc Chemistry** student of Post Graduate Department of Chemistry, Sacred Heart College, Chalakudy has completed a Project titled **"Comparative Pharmacognostic Evaluation of Different Types of Guggulu Preparation with Respect to Methods of Purification"** in The Pharmaceutical Corporation (IM) Kerala Limited, Kuttanellur, Thrissur 01st April 2023 to 31st May 2023.

Her character and conduct during the period has been found good.

The Pharmaceutical Corporation (Indian Medicines) Kerala Ltd. - Thrissur 14 - Oushadhi

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Sacred Heart College,Chalakudy

CERTIFICATE

This is to certify that the dissertation entitled **"COMPARATIVE PHARMACOGNOSTIC EVALUATION OF DIFFERENT TYPES OF GUGGULU PREPARATIONS WITH RESPECT TO METHODS OF PURIFICATION"** is a bonafide record of the research work carried out by **ASWATHI S, Sacred Heart College, Chalakudy**under the guidance of **Dr. ANITHA R** Biochemist, Research and Development Wing, Oushadhi, Thrissur for the partial fulfillment for the Degree of Master of Science in Chemistry, Calicut University, Kerala.

CHALAKUDY

DATE :

DR SANTHOSH PAUL

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