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Puthanampatti 621 007.
Trichy (Dt).

CERTIFICATE

This is to certify the dissertation entitled "QUANTITATIVE ANALYSIS OF SUGARCANE" submitted by D. AARTHI [Reg. No: P18Y0001] in partial fulfillment for the degree of MASTER OF SCIENCE IN CHEMISTRY to Nehru Memorial College (Autonomous) Puthanampatti, is based on the results of the studies carried out by her under my guidance and supervision for the academic year 2019- 2020.

Akashuri 17/8/2020
Signature of Head of the Department

Akashuri 17/8/2020
Signature of the Guide

Examiners

1. No external examiner signature due to COVID-19.

2. *Akashuri*
17/8/2020
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CERTIFICATE

This is to certify the dissertation entitled "ESTIMATION OF CALCIUM, PHOSPHATE AND REDUCING SUGAR FROM MIXED JUICE AND CLEAR JUICE" submitted by K. DHIVYA [Reg. No: P18Y0002] in partial fulfillment for the degree of MASTER OF SCIENCE IN CHEMISTRY to Nehru Memorial College (Autonomous) Puthanampatti, is based on the results of the studies carried out by her under my guidance and supervision for the academic year 2019- 2020.

Akashury' 17/8/2020
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Akashury' 17/8/2020
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Examiners

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2. *Akashury'*
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Trichy District.

CERTIFICATE

This is to certify the dissertation entitled "**BIOLOGICAL ACTIVITY OF HYDROQUINONE**" Submitted by **S. JAYABHARATHI** [Reg.No: **P18Y0003**] in partial fulfillment for the degree of **MATER OF SCIENCE IN CHEMISTRY** to Nehru Memorial College (Autonomous), Puthanampatti, is based on the results of the studies carried out by her under my study guidance and supervision for the academic year 2019-2020.

Akashini 17/8/2020
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H O D OF CHEMISTRY
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Signature of guide
K.K. ILAVENIL

NO External Examiner Due to COVID-19

Examiners

1. 
- 2.

Dr. K. K. ILAVENIL M.Sc., M.Phil., Ph.D.,

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Trichy District.

CERTIFICATE

This is to certify the dissertation entitled “**MICROBIOLOGICAL INVESTIGATION OF QUINHYDRONE**” submitted by **R. NITHYA [Reg. No:P18Y0007]** in partial fulfillment for the degree of **MASTHER OF SCIENCE IN CHEMISTRY** to Nehru Memorial College (Autonomous) Puthanampatti, is based on the results of the studies carried out by her under my guidance and supervision for the academic year 2019- 2020.

17/8/2020

Signature of Head of the Department
DR. K. K. ILAVENIL, M.Sc., M.Phil., Ph.D.,
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17/8/2020
Signature of the Guide

K.K. Ilavenil

External Examination Due to Covid-19

- 1.
- 2.

17/8/2020

Dr. A. KASTHURI, M.Sc., M.Phil., Ph.D.,
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CERTIFICATE

This is to certify the dissertation entitled **INHIBITIVE EFFECT OF SORGHUM LEAF EXTRACT ON THE CORROSION OF CARBON STEEL IN BORE WELL WATER** Submitted by **B. PRIYA [Reg. No: P18Y0009]** in partial fulfillment for the degree of **MATER OF SCIENCE IN CHEMISTRY** to Nehru Memorial College (Autonomous), Puthanampatti, is based on the results of the studies carried out by her under my study guidance and supervision for the academic year 2019-2020.

Akashuri 17/8/2020
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Examiners

1. No external examiner signature due to covid-19

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CERTIFICATE

This is to certify the dissertation entitled **ANALYSIS OF REDUCING SUGAR IN SUGARCANE** submitted by **T. RAJESHWARI** [Reg. No: P18Y0012] in partial fulfillment for the degree of **MASTHER OF SCIENCE IN CHEMISTRY** to Nehru Memorial College (Autonomous) Puthanampatti, is based on the results of the studies carried out by her under my guidance and supervision for the academic year 2019- 2020.

Akashini 17/8/2020

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Examined at CHIRAPPALLI DISTRICT

1. No external examiner signature due to covid-19
- 2.

S. Arumugam
Signature of the Guide

Dr. S. Arumugam
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Trichy (Dt).

CERTIFICATE

This is to certify the dissertation entitled "BIOLOGICAL INVESTIGATION OF 8-HYDROXYQUINOLINE" submitted by S.SARITHA [Reg. No: P18Y0015] in partial fulfillment for the degree of MASTHER OF SCIENCE IN CHEMISTRY to Nehru Memorial College (Autonomous) Puthanampatti, is based on the results of the studies carried out by her under my guidance and supervision for the academic year 2019- 2020.

Akashury 17/8/2020

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Examined by
TIRUCHIRAPPALLI DISTRICT

[Signature]
Signature of the Guide
18/8/2020

1. *[Signature]*
2. *[Signature]*

Examination Due to Covid-19

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CERTIFICATE

This is to certify the dissertation entitled "INHIBITIVE EFFECT OF SORGHUM STEM EXTRACT ON THE CORROSION OF CARBON STEEL IN BORE WATER" Submitted by **B.SRIVIDHYA [Reg.No: P18Y0017]** in partial fulfillment for the degree of **MASTER OF SCIENCE IN CHEMISTRY** to Nehru Memorial College (Autonomous), Puthanampatti, is based on the results of the studies carried out by her under my study guidance and supervision for the academic year 2019-2020.

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Signature of Head of the Department
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Akashuri
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Examiners

1. No external examiner signature due to covid-19
2. *Akashuri* 17/8/2020
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CERTIFICATE

This is to certify the dissertation entitled 'ANALYSIS OF CALCIUM, PHOSPHATE AND REDUCING SUGAR FROM SUGARCANE' submitted by S. SUVETHA [Reg. No: P18Y0019] in partial fulfillment for the degree of MASTER OF SCIENCE IN CHEMISTRY to Nehru Memorial College (Autonomous) Puthanampatti, is based on the results of the studies carried out by her under my guidance and supervision for the academic year 2019- 2020.

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Date: 17.8.2020

Certificate

This is to certify that the dissertation work entitled "**LARVICIDAL AND PUPICIDAL ACTIVITIES OF SYNTHESIZED CHALCONE DERIVATIVES**" is an authentic record of work done by **Ms. G.VIJAYA** (Reg. No: P18Y0020) under the guidance of me in partial fulfillment of the requirements for the award of the degree of **Master of Science in Chemistry**.

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(Mr. G.VADIVEL)

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Date: 17.8.2020

Certificate

This is to certify that the dissertation work entitled “SYNTHESIS, CHARACTERIZATION AND MOSQUITOCIDAL ACTIVITIES OF CHALCONE DERIVATIVES” is an authentic record of work done by **Mr.T. GNANASELVAM (Reg. No: P18Y0023)** under the guidance of me in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry.

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G. Vadivel
(Mr. G. VADIVEL)

Examiner:

1. No external examiner signature due to COVID-19

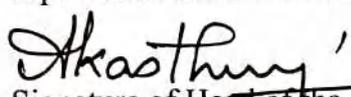
2.

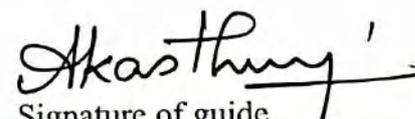
G. Vadivel
20/8/20
2020

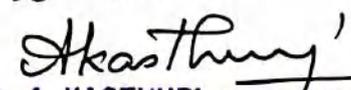
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CERTIFICATE

This is to certify the dissertation entitled "INHIBITIVE EFFECT OF MANILKARA ZAPOTTA LEAF EXTRACT ON THE CORROSION OF CARBON STEEL IN BORE WATER" Submitted by S.KEERTHANA [Reg. No: P18Y0006] in partial fulfillment for the degree of MASTER OF SCIENCE IN CHEMISTRY to Nehru Memorial College (Autonomous), Puthanampatti, is based on the results of the studies carried out by her under my study guidance and supervision for the academic year 2019-2020.


Signature of Head of the Department
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Examiners


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1. No external examiner signature due to COVID-19
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CERTIFICATE

This is to certify that the dissertation entitled "*Anti-bacterial and Anti-fungal activity of cyclohexane extract of Sansevieria cylindrica*" Submitted to the PG & Research Department of Chemistry, Nehru Memorial College (Autonomous) Puthanampatti, Trichy, in partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry for the academic year 2015-2017 is bonafide record of the work done by S.REVATHI (REGISTER No: P18Y0014) under my guidance.

Akashini

Signature of HOD

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S. Arumugam

Research Guide

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Viva-voice Examination conducted on 17.8.2020

NO External Examiner
External Examiner signature due
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S. Arumugam

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Trichy (Dt).

CERTIFICATE

This is to certify the dissertation entitled “**THE CLARIFICATION PROCESS OF SUGARCANE IN KOTHARI SUGARS AND CHEMICAL LIMITED, TIRUCHIRAPPALLI**” submitted by **R.RAMYA [Reg. No: P18Y0013]** in partial fulfillment for the degree of **MASTER OF SCIENCE IN CHEMISTRY** to Nehru Memorial College (Autonomous) Puthanampatti, is based on the results of the studies carried out by her under my guidance and supervision for the academic year 2019- 2020.

Akashury

Signature of Head of the Department

Akashury

Signature of the Guide

Examiners

1. No external examiner

Signature due to COVID-19

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17/8/2020

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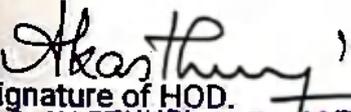
Nehru Memorial College (Autonomous),

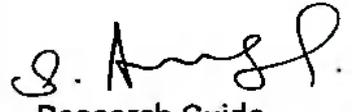
Puthanampatti-621007,

Tiruchirapalli.

CERTIFICATE

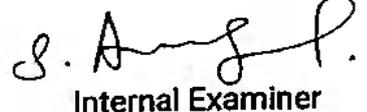
This is to certify the dissertation entitled 'IMPROVEMENT OF EVAPORATION EFFICIENCY IN SUGAR PROCESSING INDUSTRY' submitted by T. PRIYADHARSINI (REGISTER No: P18Y0011) in partial fulfillment for the degree of MASTER OF SCIENCE IN CHEMISTRY to Nehru Memorial College (Autonomous) Puthanampatti, is based on the results of the studies carried out by her under my guidance and supervision for the academic year 2019- 2020.


Signature of HOD.
Dr. A. KASTHURI, M.Sc., M.Phil., Ph.D.,
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Research Guide
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Viva-voce Examination conducted on 17.08.2020

External Examiner
NO External Examiner
Signature due to Covid-19


Internal Examiner
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Assistant Professor,
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CERTIFICATE

This is to certify that the dissertation entitled "*Antimicrobial activity of ethyl acetate extract of Sansevieria cylindrica*" Submitted to the PG & Research Department of Chemistry, Nehru Memorial College (Autonomous) Puthanampatti, Trichy, in partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry for the academic year 2015-2017 is bonafide record of the work done by S.JEEVA (REGISTER No: P18Y0004) under my guidance.


Signature of HOD 17/8/2020

Dr. A. KASTHURI, M.Sc., M.Phil., Ph.D.,
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Research Guide
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Assistant Professor
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External Examiner signature due
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Internal Examiner
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Assistant professor of Chemistry,

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Puthanampatti – 621 007.

Trichy District.

CERTIFICATE

This is to certify the dissertation entitled "DESIGN SYNTHESIS AND CHARACTERIZATION OF 2-IMINO BENZOPYRAN ANALOGUE AND ITS LARVICIDAL ANTIFEEDANT AND MOLECULAR DOCKING STUDIES" submitted by S. KAVINKUMAR [Reg. No:P18Y0025] in partial fulfillment for the degree of MASTER OF SCIENCE IN CHEMISTRY to Nehru Memorial College (Autonomous) Puthanampatti, is based on the results of the studies carried out by her under my guidance and supervision for the academic year 2019- 2020.

Akashy 17/8/2020
Signature of Head of the Department

V. J. Srinivas 17/8/2020
Signature of the Guide

No external examiner signature due to covid-19.

Examiners

1. *V. J. Srinivas* 17/8/2020
- 2.

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Tiruchirapalli -621007.

CERTIFICATE

This is to certify the dissertation entitled "AN EXPERIMENTAL APPROACHES FOR CORROSION PROTECTION EFFECT OF SYNTHESIZED PHENYLTRIMETHYLAMMONIUMTETRACHLOROALUMINATE [PTMA]⁺[ALCL₄]⁻ IONIC LIQUID FOR CARBON STEEL IN ACIDIC MEDIUM" the bonafide record of the original project work carried out by **M. DINESHKUMAR** [Reg. No : **PI8Y0022**] under my supervision and that it has not formed the basis for the award of any degree, diploma or fellowship.

Akashy 17/8/2020
Signature of Head of the Department

P. Manimekala 17/08/2020.
Signature of the Guide

No external examiner signature due to Covid-19.

Examiners

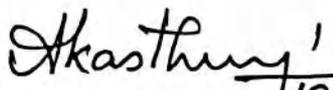
1. *P. Manimekala* 17/08/2020

2.

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Assistant professor,
PG & Research Department of Chemistry,
Nehru Memorial College (Autonomous),
Puthanampatti-621007,
Tiruchirapalli.

CERTIFICATE

This is to certify that the dissertation entitled '*ASSESSMENT OF CRYSTALLIZATION EFFICIENCY IN SUGAR PROCESSING INDUSTRY*' submitted to the PG & Research Department of chemistry, Nehru Memorial College (Autonomous) Puthanampatti, Trichy, in Partial fulfillment of the requirement for the award Degree of Master of science in chemistry for the academic year 2019-2020 is bonafide record of the word done by PATHMANATHAN. T (REGISTER No: P18Y0008) under my guidance.

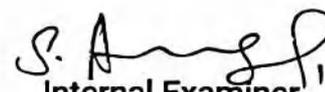

Signature of HOD 17/8/2020


Research Guide
Dr. S. Arumugam.

Viva voice Examination conducted on

External Examiner

NO External Examiner
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Internal Examiner 17/8/2020

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CERTIFICATE

This is to certify the dissertation entitled "SYNTHESIS AND SPECTRUM ANALYSIS OF CHALCONE DERIVATIVES AGAINST MOSQUITO VECTOR" submitted by R.LOGESVARAN [Reg. No: P18Y0027] in partial fulfillment for the degree of Master of Science in Chemistry to Nehru Memorial College (Autonomous) Puthanampatti, is based on the results of the studies carried out by him under my guidance and supervision for the academic year 2019- 2020.

Akashuri 17/8/2020

P. Vinodhini 17/08/2020
Signature of the Guide

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Examiners

1. No external examiner signature due to COVID-19
2. *P. Vinodhini*
17/08/2020

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Tiruchirapalli.

CERTIFICATE

This is to certify that the dissertation entitled "*Comparative Study of Bio-active Compounds in Ethyl Acetate and Cyclohexane Extract of Sansevieria cylindrica Leaves*" Submitted to the PG & Research Department of Chemistry, Nehru Memorial College (Autonomous) Puthanampatti, Trichy, in partial fulfillment of the requirements for the award of the Degree of **Master of Science in Chemistry** for the academic year 2018-2020 is bonafide record of the work done by **K. Sowmiya (REGISTER No:P18Y0016)** under my guidance.

Akashury
Signature of HOD 17/8/2020

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S. Arumugam 17/8/2020
Research Guide
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Assistant Professor
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Puthanampatti

Viva-voice Examination conducted on 17/8/2020

External Examiner

NO External Examiner
Signature due to
Covid-19

S. Arumugam 17/8/2020
Internal Examiner

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Trichy (DT).

CERTIFICATE

This is to certify the dissertation entitled "SYNTHESIS AND SPECTRUM ANALYSIS OF CHALCONE DERIVATIVES AGAINST MOSQUITO VECTOR" submitted by K.PRIYADHARSHINI [Reg. No: P18Y0010] in partial fulfillment for the degree of Master of Science in Chemistry to Nehru Memorial College (Autonomous) Puthanampatti, is based on the results of the studies carried out by him under my guidance and supervision for the academic year 2019- 2020.

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This is to certify the dissertation entitled "SYNTHESIS AND SPECTRUM ANALYSIS OF CHALCONE DERIVATIVES AGAINST MOSQUITO VECTOR" submitted by R.LOGESVARAN [Reg. No: P18Y0027] in partial fulfillment for the degree of Master of Science in Chemistry to Nehru Memorial College (Autonomous) Puthanampatti, is based on the results of the studies carried out by him under my guidance and supervision for the academic year 2019- 2020.

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This is to certify the dissertation entitled "MICROBIOLOGICAL ACTIVITIES OF MERCAPTOSUCCINIC ACID" submitted by R. KASTHURI [Reg. No: P18Y0005] in partial fulfillment for the degree of MASTER OF SCIENCE IN CHEMISTRY to Nehru Memorial College (Autonomous) Puthanampatti, is based on the results of the studies carried out by her under my guidance and supervision for the academic year 2019- 2020.

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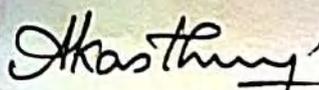
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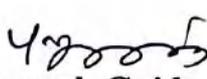
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CERTIFICATE

This is to certify that the dissertation entitled "*Manufacture & Quality Measure of Poly Vinyl Chloride*" Submitted to the PG & Research Department of Chemistry, Nehru Memorial College (Autonomous) Puthanampatti, Trichy, in partial fulfillment of the requirements for the award of the Degree of **Master of Science in Chemistry** for the academic year 2018-2020 is bonafide record of the work done by **C.Krishnaraj (REGISTER No:P18Y0026)** under my guidance.

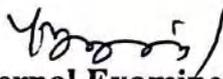

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This is to certify the dissertation entitled "EVALUATING PROLONGED CORROSION INHIBITION PERFORMANCE OF BENZYLTRIBUTYLAMMONIUM TETRACHLOROALUMINATE IONIC LIQUID USING ELECTROCHEMICAL ANALYSIS" the bonafide record of the original project work carried out by the S. SUVETHA [Reg. No:P18Y0018] under my supervision and that it has not formed the basis for the award of any degree, diploma or fellowship.

Akashy 17/08/2020

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