


CERTIFICATE

I hereby certify that the dissertation entitled "EVALUATION OF DENSITY FUNCTIONALS FOR ELEMENTARY STEPS TO ANALYSIS MOLECULAR PROPERTIES OF KETONE AZINE" submitted to University, for the award of degree of Master of Science in Chemistry embodies the result of bonafide research work carried out by

Mr. R. RAJA
(Reg. No. P 15161353)

Under my guidance and supervision in the Annai College of Arts & Science Kovilacheri, Kumbakonam (Affiliated to Bharathidasan University, Tiruchirapalli). I further certify that under such help or source of information have been availed in this connection is duly acknowledged and that no part of the thesis has been submitted anywhere else for any other degree, diploma, fellowship or their similarities.


Signature of the HOD

Head of the Department

Department of Chemistry

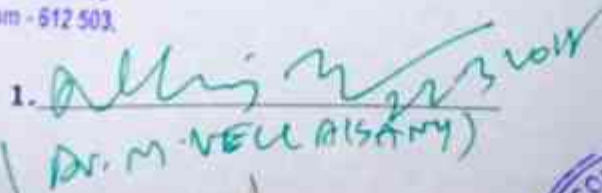
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Kumbakonam - 612 503.

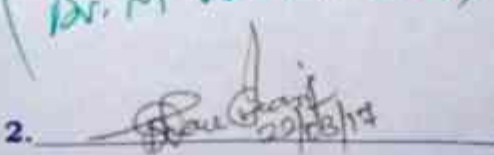

Signature of the Guide

Examiners:

1.


Dr. M. VELLAISAMY

2.


29/03/17

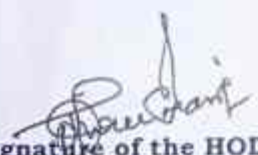


CERTIFICATE

I hereby certify that the dissertation entitled "**QUANTUM CHEMICAL INVESTIGATION OF NLO AND FRONTIER MOLECULAR ORBITAL PROPERTIES OF AZINE COMPOUND**" submitted to University, for the award of degree of Master of Science in Chemistry embodies the result of bonafide research work carried out by

P. PARTHIBAN
(Reg. No. P 15161352)

Under my guidance and supervision in the Annai College of Arts & Science Kovilacheri, Kumbakonam (Affiliated to Bharathidasan University, Tiruchirapalli). I further certify that under such help or source of information have been availed in this connection is duly acknowledged and that no part of the thesis has been submitted anywhere else for any other degree, diploma, fellowship or their similarities.



Signature of the HOD

Head of the Department
Department of Chemistry

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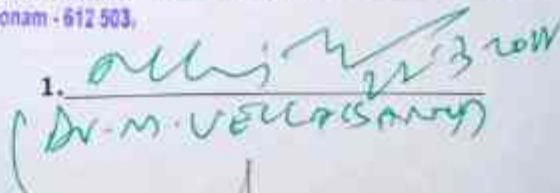
22-03-2017

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1.


(Dr. M. VELLAISAMY)

2.



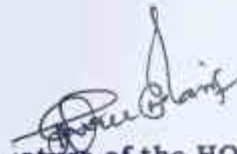



CERTIFICATE

I hereby certify that the dissertation entitled "**DENSITY FUNCTIONAL THEORY INVESTIGATION OF HYDRAZINE COMPOUND**" submitted to University, for the award of degree of Master of Science in Chemistry embodies the result of bonafide research work carried out by

K. JEEVA
(Reg. No. P 15161348)

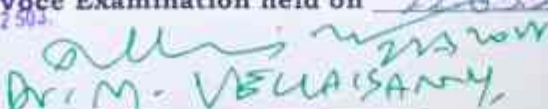
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Signature of the HOD
Head of the Department
Department of Chemistry


Signature of the Guide

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Examiners:

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Dr. M. VELLAISAMY

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CERTIFICATE

I hereby certify that the dissertation entitled **"APPLICATIONS OF DENSITY FUNCTIONAL THEORY (DFT) TO ANALYSIS THE MOLECULAR PROPERTIES OF AZINE MOLECULE"** submitted to University, for the award of degree of Master of Science in Chemistry embodies the result of bonafide research work carried out by

S. JAYALAKSHMI
(Reg. No. P 15161347)

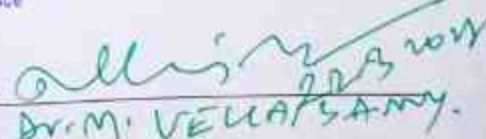

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Signature of the HOD
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Examiners:

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1. Dr. M. VELUPRASAMY.
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2. Dr. D. Thirumoojan
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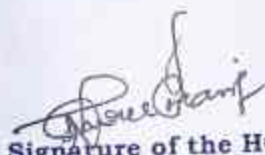


CERTIFICATE

I hereby certify that the dissertation entitled "**ANALYSIS THE MOLECULAR PROPERTIES OF CONJUGATED AZINE USING GAUSSIAN 03**" submitted to University, for the award of degree of Master of Science in Chemistry embodies the result of bonafide research work carried out by

R. ARUNKUMAR
(Reg. No. P 15161343)

Under my guidance and supervision in the Annai College of Arts & Science Kovilacheri, Kumbakonam (Affiliated to Bharathidasan University, Tiruchirapalli). I further certify that under such help or source of information have been availed in this connection is duly acknowledged and that no part of the thesis has been submitted anywhere else for any other degree, diploma, fellowship or their similarities.



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Head of the Department
Department of Chemistry

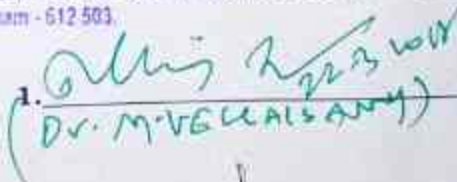


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Examiners:

1.


Dr. M. V. G. K. S. Arany

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R. Arunkumar
29/03/17



CERTIFICATE


I hereby certify that the dissertation entitled **"THEORETICAL INVESTIGATION OF THE MOLECULAR PROPERTIES OF FLORINONE AZINE"** submitted to University, for the award of degree of Master of Science in Chemistry embodies the result of bonafide research work carried out by

V. ANANDHIESWARI
(Reg. No. P 15161342)

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Head of the Department
Signature of the HOD

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Signature of the Guide

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Examiners:

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2. 
22/03/17




CERTIFICATE

I hereby certify that the dissertation entitled "**SYNTHESIS, SPECTRAL AND COMPUTATIONAL ANALYSIS OF TEREPHTHALDAZINE**" submitted to University, for the award of degree of Master of Science in Chemistry embodies the result of bonafide research work carried out by

M. ANANDHI
(Reg. No. P 15161341)



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Signature of the HOD
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Examiners:

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Asst. Prof. of Chemistry
Kovilacheri, Kumbakonam
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20/03/17

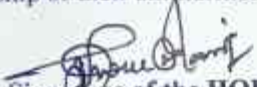


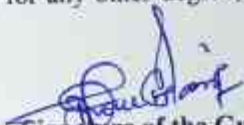
CERTIFICATE

I hereby certify that the dissertation entitled "**COPOLYMERIZATION OF 4-ACETAMIDOPHENYL METHACRYLATE WITH ETHYL METHACRYLATE: SYNTHESIS, CHARACTERIZATION, AND ANTIBACTERIAL ACTIVITY**" submitted to University, for the award of degree of Master of Science in Chemistry embodies the result of bonafide research work carried out by

P. SIVAGAMASUNDARI
(Reg. No. P 15161355)

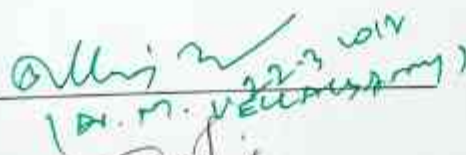

Under my guidance and supervision in the Annai College of Arts & Science Kovilacheri, Kumbakonam (Affiliated to Bharathidasan University, Tiruchirapalli). I further certify that under such help or source of information have been availed in this connection is duly acknowledged and that no part of the thesis has been submitted anywhere else for any other degree, diploma, fellowship or their similarities.


Signature of the HOD,
Head of the Department
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Signature of the Guide
Dr.D.Thirumoolan, M.Sc., M.Phil., Ph.D.
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Submitted for Viva Voce Examination held on 22.03.17.

Examiners:

1. 
22.3.17
I. M. V. (Sivagamasundari)
2. 
22/03/17




CERTIFICATE


I hereby certify that the dissertation entitled "CORROSION RESISTANT PERFORMANCE OF POLY(4-BENZOYL PHENYL METHACRYLATE-CO-METHOXY ETHYLMETHACRYLATE) COATING ON MILD STEEL IN ACIDIC MEDIUM" submitted to University, for the award of degree of Master of Science in Chemistry embodies the result of bonafide research work carried out by

P. SARASWATHI
(Reg. No. P 15161354)

Under my guidance and supervision in the Annai College of Arts & Science Kovilacheri, Kumbakonam (Affiliated to Bharathidasan University, Tiruchirapalli). I further certify that under such help or source of information have been availed in this connection is duly acknowledged and that no part of the thesis has been submitted anywhere else for any other degree, diploma, fellowship or their similarities.


Signature of the HOD

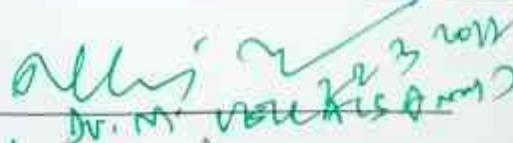

Head of the Department
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Dr. D. Thirumogan, M.Sc., Ph.D.,
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Examiners:

1.  Dr. M. Venkatesh ^{23 Nov}
2.  P. Saraswathi



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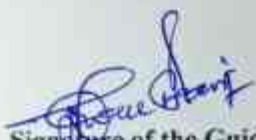
I hereby certify that the dissertation entitled "STUDY OF THE PROTECTION BEHAVIOR OF POLY(4-BENZOYL PHENYL METHACRYLATE -CO-METHOXYETHYL METHACRYLATE) COATING AGAINST CORROSION" submitted to University, for the award of degree of Master of Science in Chemistry embodies the result of bonafide research work carried out by

D. MANIMARAN
(Reg. No. P 15161351)

Under my guidance and supervision in the Annai College of Arts & Science Kovilacheri, Kumbakonam (Affiliated to Bharathidasan University, Tiruchirapalli). I further certify that under such help or source of information have been availed in this connection is duly acknowledged and that no part of the thesis has been submitted anywhere else for any other degree, diploma, fellowship or their similarities.


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Head of the Department
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Signature of the Guide

Dr. D. Thirumoolan, M.Sc., M.Phil., Ph.D.,
Assistant Professor and Head
Department of Chemistry
Annai College of Arts and Science
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Submitted for Viva Voce Examination held on 22-03-17.

Examiners: 1. Ally M. V. Velupillay 22.3.2018
(Dr. M. V. Velupillay)
2. Dr. D. Thirumoolan 22/03/17





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Certificate

This is to certify that the project work entitled **Drinking water quality in Kovilacherry: Issues and approaches** submitted by **C.Kalaivani** in the partial fulfillment of award of the degree of Master of Science in Chemistry to Annai College of Arts and Science, Kumbakonam is the result of the work carried out by the Monarch Biotech PVT LTD, Chennai.

For Monarch Biotech Private Limited

M. Saravanan
24/01/16
M.Saravanan,
Deputy Quality Manager.

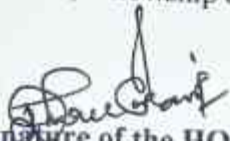


CERTIFICATE

I hereby certify that the dissertation entitled "**DRINKING WATER QUALITY IN KOVILACHERI: ISSUES AND APPROACHES**" submitted to University, for the award of degree of Master of Science in Chemistry embodies the result of bonafide research work carried out by

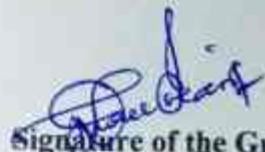
C. KALAIVANI
(Reg. No. P 15161350)

Under my guidance and supervision in the Annai College of Arts & Science Kovilacheri, Kumbakonam (Affiliated to Bharathidasan University, Tiruchirapalli). I further certify that under such help or source of information have been availed in this connection is duly acknowledged and that no part of the thesis has been submitted anywhere else for any other degree, diploma, fellowship or their similarities.



Signature of the HOD

Head of the Department
Department of Chemistry
Annai College of Arts and Science
Kovilacheri, Kumbakonam - 612 503.

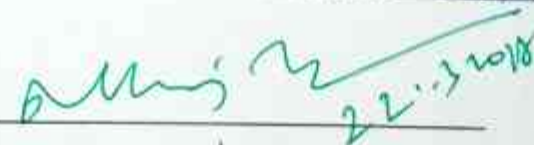



Signature of the Guide

Dr.D.Thirumoolan, M.Sc., M.Phil., Ph.D.
Assistant Professor and Head
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Annai College of Arts and Science
Kumbakonam - 612 503.

Submitted for Viva Voce Examination held on 22/03/17

Examiners:

1.  22.3.2018

2.  22/03/17





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Certificate

This is to certify that the project work entitled **Drinking water quality in Solapuram: Issues and approaches** submitted by **A.Jawahar** in the partial fulfillment of award of the degree of Master of Science in Chemistry to Annai College of Arts and Science, Kumbakonam is the result of the work carried out by the Monarch Biotech PVT LTD, Chennai.

For Monarch Biotech Private Limited

M. Saravanan
21/01/16
M.Saravanan,
Deputy Quality Manager.



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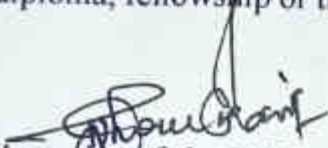
LAB : 37-A, SIDCO Industrial Estate, Thirumazhisai, Chennai - 600 124, INDIA.

CERTIFICATE


I hereby certify that the dissertation entitled "**DRINKING WATER QUALITY IN SHOLAPURAM: ISSUES AND APPROACHES**" submitted to University, for the award of degree of Master of Science in Chemistry embodies the result of bonafide research work carried out by

A. JAWAHAR
(Reg. No. P 15161346)

Under my guidance and supervision in the Annai College of Arts & Science Kovilacheri, Kumbakonam (Affiliated to Bharathidasan University, Tiruchirapalli). I further certify that under such help or source of information have been availed in this connection is duly acknowledged and that no part of the thesis has been submitted anywhere else for any other degree, diploma, fellowship or their similarities.

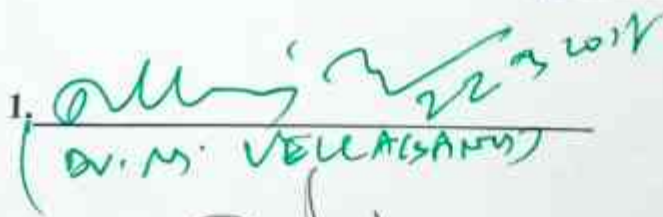


Signature of the HOD

Head of the Department
Department of Chemistry
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Kovilacheri, Kumbakonam - 612 503.


Signature of the Guide

Dr.D.Thirumoolan, M.Sc., M.Phil., Ph.D.,
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Submitted for Viva Voce Examination held on 22.3.2017

Examiners: 1. 
(Dr. M. VELLASAMY)
2. 
20/03/17





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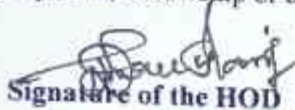


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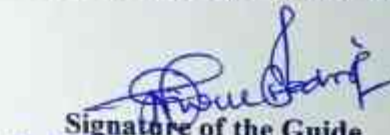
I hereby certify that the dissertation entitled **"DRINKING WATER QUALITY IN NEEDAMANGALAM: ISSUES AND APPROACHES "** submitted to University, for the award of degree of Master of Science in Chemistry embodies the result of bonafide research work carried out by

J. CHITHRA
(Reg. No. P 15161344)

Under my guidance and supervision in the Annai College of Arts & Science Kovilacheri, Kumbakonam (Affiliated to Bharathidasan University, Tiruchirapalli). I further certify that under such help or source of information have been availed in this connection is duly acknowledged and that no part of the thesis has been submitted anywhere else for any other degree, diploma, fellowship or their similarities.

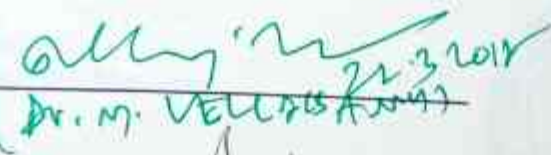


Signature of the HOD

Head of the Department
Department of Chemistry
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Signature of the Guide

Dr.D.Thirumoolan, M.Sc., M.Phil., Ph.D.
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Submitted for Viva Voce Examination held on 22.03.2017

Examiners: 1. 
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2. 
J. Chithra

