



Government of Kerala
Department of industries and commerce
COMMON FACILITY SERVICE CENTRE
Payyanad, Manjeri, Malappuram- 676122

CERTIFICATE

This is to certify that the project report entitled “ **STUDY ON THE EFFECT OF NATURAL FIBRE ON THE MECHANICAL AND PHYSICAL PROPERTIES OF NATURAL RUBBER VULCANISATES**” Submitted to J.J College of Arts and Science (Autonomous), Pudukkottai, Affiliated to Bharathidasan University, Tiruchirappalli is a bonafide record of the original project work done by **Ms.ANAGHA P GANESAN** (Reg.No: P21CH1001) of JJ COLLEGE OF ARTS AND SCIENCE COLLEGE ,PUDUKKOTTAI, SHIVAPURAM, at this centre under my supervision.

Date: 11/04/2023



SHAN P.R
Assistant Director



Government of Kerala
Department of Industries and Commerce
COMMON FACILITY SERVICE CENTRE
Payyanad, Manjeri, Malappuram - 676122.

CERTIFICATE

This is to certify that the project report entitled **"EFFECT OF CASSAVA TUBER CORTEX ON THE MECHANICAL AND PHYSICAL PROPERTIES OF NATURAL RUBBER VULCANIZATES"** is a record of the bonafide project work carried out by **Ms. CHITHRA VISHNU.N** (Reg.No: P21CH1002), M.Sc. Chemistry in the Department of Chemistry, J.J COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), in partial fulfilment of the requirements for the award of **MASTER OF SCIENCE IN CHEMISTRY** at this centre under my supervision.

Date: 11/04/2023



11/04/23
Mr. SHAN PR

Assistant Director



Government of Kerala
Department of industries and commerce
COMMON FACILITY SERVICE CENTRE
Payyanad, Manjeri, Malappuram- 676122

CERTIFICATE

This is to certify that the project work entitled "EFFECT OF BAMBOO LEAF POWDER ON PHYSICAL AND MECHANICAL PROPERTIES OF NATURAL RUBBER VULCANIZATES" submitted to the J.J. College of Arts and Science (Autonomous) Pudukkottai, Affiliated to Bharathidasan University, Thiruchirappalli in partial fulfilment of the requirement for the award of degree of MASTER OF SCIENCE IN CHEMISTRY is a bonafide record of the work carried out by Ms.FIDHA P (Register.No. P21CH1003) at this centre under my supervision.

SHAN P.R. 11/04/23

Date: 11-04-2023



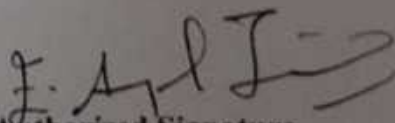
Assistant Director

Dr. E. Angel Jemima, M.Phil., Ph.D., DIWT.,
Chief Executive Officer.

31.03.2023
Trichy

Certificate of Completion

This is to certify that Ms. R. KARTHIKADEVI (Reg. No: P21CH1004) M.Sc., Final year student, Department of Chemistry, JJ College of Arts and Science, Pudukkottai has successfully completed her final year research project entitled "**Green synthesis and characterization of Zirconium Nanoparticles using *Abutilon indicum* and their photocatalytic activity**" under my guidance and supervision from 4th Jan 2023 to 31st Mar 2023 at Trichy Research Institute of Biotechnology Private Limited, Trichy – 620018. It is further certified that the dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.



Authorized Signature

Dr. E. ANGEL JEMIMA, Ph.D.,
Chief Executive Officer
TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY
No 107-D, 2nd Floor, 9th Cross (East),
Thillai Nagar, Trichy-620 018.

J.J.COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

(A Silver Jubilee Institution)

(Re-Accredited by NAAC with B** Grade - 4th Cycle)

(Affiliated to Bharathidasan University, Tiruchirappalli)



Date : 10.04.2023

Ref :

CERTIFICATE

This is to certify that **Ms. S.MEENA** (REG NO: P21CH1005) doing II M.Sc. Chemistry has successfully completed her project work in our college entitled "Plant mediated synthesis and Characterization of nickel oxide nanoparticles" during January 2023 to April 2023.


Head of the Department

Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
SIVAPURAM
PUDUKKOTTAI - 622 422




Principal

Dr. J. PARASURAMAN, M.A., M.B.A., M.C.,
M.Phil., B.Ed., Ph.D.
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J.J. College of Arts and Science
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J.J. Nagar, Sivapuram Post,
PUDUKKOTTAI - 622 422

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(A Silver Jubilee Institution)

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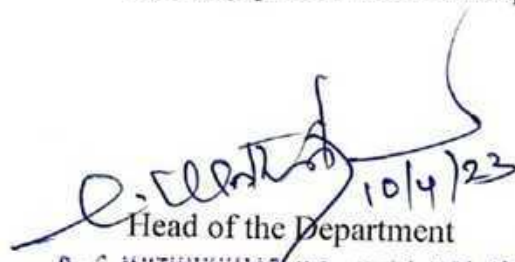


Date : 10.04.2023

Ref :

CERTIFICATE

This is to certify that **Ms. Pandimeenal.P** (REG NO: P21CH1006) doing II M.Sc. Chemistry has successfully completed her project work in our college entitled "Synthesis characterization and antimicrobial activity of 7-dicyclohexylaminoethyl-8-hydroxyquinoline and its copper (II) nitrate" during January 2023 to April 2023.


10/4/23
Head of the Department
Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
SIVAPURAM
PUDUKKOTTAI - 622 422




Principal
Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.
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(Affiliated to Bharathidasan University, Tiruchirappalli)



Date : 10.04.2023

Ref :

CERTIFICATE

This is to certify that **Ms. K.Rajeswari** (REG NO: P21CH1007) doing II M.Sc. Chemistry has successfully completed her project work in our college entitled Synthesis characterization and antimicrobial activity of 7-dicyclohexylaminoethyl-8-hydroxyquinoline and its copper(II)sulfate" during January 2023 to April 2023 .


Head of the Department

Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
SIVAPURAM
PUDUKKOTTAI - 622 422 /




Principal

Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.
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TRCBT

Trichy Research Institute of Biotechnology

TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY PVT. LTD

No.107-D, 2nd Floor, 9th Cross (East)

Thillai Nagar, Trichy-620 018. Tamilnadu, INDIA

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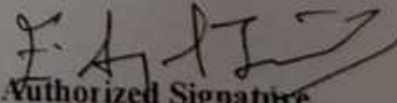
CIN No. : U73200TN2017PTC119075

Dr. E. Angel Jemima, M.Phil., Ph.D., DIWT.,
Chief Executive Officer.

30.03.2023
Trichy

Certificate of Completion

This is to certify that Ms. S. RETHINA (Reg. No: P21CH1008) M.Sc., Final year student, Department of Chemistry, JJ College of Arts and Science, Pudukkottai has successfully completed her final year research project entitled "**Biosynthesis of Iron oxide Nanoparticles using *Propionibacterium acnes***" under my guidance and supervision from 4th Jan 2023 to 30th Mar 2023 at Trichy Research Institute of Biotechnology Private Limited, Trichy – 620018. It is further certified that the dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.


Authorized Signature



Ayurgreen
HAPPINESS IN HEALTHCARE



01-04-2023

Edappal

Certificate of Completion

This is to certify that Mrs. Shahana Sherin (P21CH1009) M.Sc final year student, Department of Chemistry, JJ College of Arts and Science, Pudukkottai has successfully completed her M.Sc project entitled "Spectroscopic characterization and Antioxidant activity of a novel polyherbal formulation -Nervine tonic" under our guidance and supervision from 15th January 2023 to 1st April 2023 at Research and Development Department of Ayurgreen Ayurveda Hospitals Pvt Ltd, Edappal, Malappuram. It is further certified that the dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.

[Signature]
29/4/23
Scientist

Scientist
Research and Development
Ayurgreen Ayurveda Hospitals Pvt Ltd.

[Signature]
29/4/2023
HOD Research and Development Department

Head of the Department
Research and Development
Ayurgreen Ayurveda Hospitals Pvt Ltd

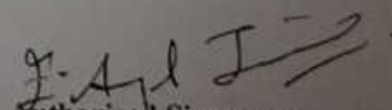


Dr. E. Angel Jemima, M.Phil., Ph.D., DIWT.,
Chief Executive Officer.

30.03.2023
Trichy

Certificate of Completion

This is to certify that Ms. **B. SANGEETHA** (Reg. No: P21CH1010) M.Sc., Final year student, Department of Chemistry, JJ College of Arts and Science, Pudukkottai has successfully completed her final year research project entitled "**Phytochemical Characterization of *Euphorbia hirta* hydroalcoholic extract**" under my guidance and supervision from 4th Jan 2023 to 30th Mar 2023 at Trichy Research Institute of Biotechnology Private Limited, Trichy – 620018. It is further certified that the dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.



Authorized Signature

Dr. E. ANGEL JEMIMA, Ph.D.,
Chief Executive Officer
TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY
No. 107-D, 2nd Floor, 9th Cross (East),
Thillai Nagar, Trichy-620 018.

J.J.COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

(A Silver Jubilee Institution)

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(Affiliated to Bharathidasan University, Tiruchirappalli)



Date : 10.04.2023

Ref :

CERTIFICATE

This is to certify that **Ms. M.SONALI** (REG NO: P21CH1011) doing II M.Sc. Chemistry has successfully completed her project work in our college entitled "Synthesis and characterization of manganese oxide nanoparticles of curcuma amada and its antimicrobial activity" during January 2023 to April 2023 .


Head of the Department

Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
SIVAPURAM
PUDUKKOTTAI - 622 422




Principal

J.J. PARASURAMAN, M.A., M.B.A., M.C.A.,
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(Affiliated to Bharathidasan University, Tiruchirappalli)



Date : 10.04.2023

Ref :

CERTIFICATE

This is to certify that **Ms. K.Visahliannam** (REG NO: P21CH1001) doing II M.Sc. Chemistry has successfully completed her project work in our college entitled "Synthesis of green and cost effective manganese oxide nanoparticles using Bahunia variegate fruit extract" during January 2023 to April 2023 .


Head of the Department

Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
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Principal

Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.
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(Affiliated to Bharathidasan University, Tiruchirappalli)



Date : 10.04.2023

Ref :

CERTIFICATE

This is to certify that **Ms. G.Yogalakashmi** (REG NO: P21CH10012) doing II M.Sc. Chemistry has successfully completed her project work in our college entitled "Adsorption and removal of reactive blue from aqueous solution using Milletia Pinnata leaves" during January 2023 to April 2023 .


Head of the Department
Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
SIVAPURAM
PUDUKKOTTAI - 622 422/



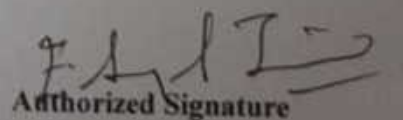

Principal
Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.,
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PUDUKKOTTAI - 622 422

Dr. E. Angel Jemima, M.Phil., Ph.D., DIWT.,
Chief Executive Officer.

31.03.2023
Trichy

Certificate of Completion

This is to certify that Mr. R. AJITHPRASATH (Reg. No: P21CH2001) M.Sc., Final year student, Department of Chemistry, JJ College of Arts and Science, Pudukkottai has successfully completed his final year research project entitled "**Biodiesel production from *Arachis hypogaea* and *Linum usitatissimum* poly Seeds extracts**" under my guidance and supervision from 10th Jan 2023 to 31st Mar 2023 at Trichy Research Institute of Biotechnology Private Limited, Trichy – 620018. It is further certified that the dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.



Authorized Signature

Dr. E. ANGEL JEMIMA, Ph.D.,
Chief Executive Officer
TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY
No 107-D, 2nd Floor, 9th Cross (East),
Thillai Nagar, Trichy-620 018.

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(Affiliated to Bharathidasan University, Tiruchirappalli)



Date : 10.04.2023

Ref :

CERTIFICATE

This is to certify that **Mr. M.ANANTHU** (REG NO: P21CH2002) doing II M.Sc. Chemistry has successfully completed his project work in our college entitled "SYNTHESIS AND CHARACTERISATION OF COPPER OXIDE NANAPARTICLES USING PLANT EXTRACT" during January 2023 to April 2023.


Head of the Department
Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
SIVAPURAM
PUDUKKOTTAI - 622 422




Principal
Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.
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PUDUKKOTTAI - 622 422

J.J.NAGAR, SIVAPURAM POST, PUDUKKOTTAI - 622 422

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(Affiliated to Bharathidasan University, Tiruchirappalli)



Date : 10.04.2023

Ref :

CERTIFICATE

This is to certify that **Mr. V.ARUNKUMAR** (REG NO: P21CH2003) doing II M.Sc. Chemistry has successfully completed his project work in our college entitled "GREEN SYNTHESIS OF ZINC OXIDE NANAPARTICLES USING CASSIA AURICULATA FLOWERS EXTRACT AND ANTIMICROBIAL ACTIVITY" during January 2023 to April 2023.

Head of the Department

Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,

Head, Dept. of Chemistry

J.J. College of Arts & Science (Autonomous)

SIVAPURAM

PUDUKKOTTAI - 622 422



Principal

Dr. J. PARASURAMAN, M.A., M.B.A., M.A.,
M.Phil., B.Ed., Ph.D.

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(Affiliated to Bharathidasan University, Tiruchirappalli)



Date : 10.04.2023

Ref :

CERTIFICATE

This is to certify that **Mr. G.AYYADURAI** (REG NO: P21CH2004) doing II M.Sc. Chemistry has successfully completed his project work in our college entitled "ADSORPTION AND REMOVAL OF REACTIVE BLUE FROM AQUEOUS SOLUTION USING MILLETIAPINNATA BARKS" during January 2023 to April 2023 .


Head of the Department

Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
SIVAPURAM
PUDUKKOTTAI - 622 422




Principal
Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.,
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J.J.NAGAR, SIVAPURAM POST, PUDUKKOTTAI - 622 422

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contacttrcbt@gmail.com | www.trcbt.com

CIN:U073200TN2017PTC119075

Dr. E. Angel Jemima, M.Phil., Ph.D., DIWT.,
Chief Executive Officer

28.03.2023
Trichy

Certificate of Completion

This is to certify that Mr. **DHEENADHAYALAN .PR** (Reg. No: P21CH2005) M.Sc.,
Final year student, Department of Chemistry, JJ College of Arts and Science, Pudukkottai has
successfully completed his final year research project entitled "**Anti-inflammatory activity of
Abutilon indicum hydroalcoholic extract and their phytochemical characterization**" under
my guidance and supervision from 4th Jan 2023 to 28th Mar 2023 at Trichy Research Institute
of Biotechnology Private Limited, Trichy – 620018. It is further certified that the dissertation
or any part thereof has not been submitted elsewhere for any degree or diploma.

Authorized Signature

Dr. E. ANGEL JEMIMA, Ph.D.,
Chief Executive Officer
TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY
No. 107-D, 2nd Floor, 9th Cross (East),
Thillai Nagar, Trichy-620 018.



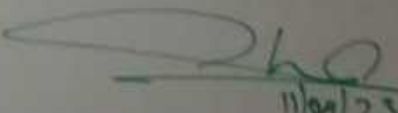
Government of Kerala
Department of Industries and Commerce
COMMON FACILITY SERVICE CENTRE
Payvanad, Manjeri, Malappuram - 676122.

CERTIFICATE

This is to certify that the project report entitled "EFFECT OF RICE HUSK POWDER ON THE PHYSICAL AND MECHANICAL PROPERTIES OF NATURAL RUBBER IN VULCANIZATES" is a record of the bonafide project work carried out by Mr. ~~MOHAMMED~~ ~~NASEEF O.P~~ Reg.No. (P21CH2006), M.Sc. Chemistry in the Department of Chemistry, J.J. College of Arts and Science (Autonomous) in partial fulfilment of the requirements for the award of **MASTER OF SCIENCE IN CHEMISTRY** at this centre under my supervision

Date: 11/04/2023




11/04/23

SHAN PR

Assistant Director



Government of Kerala

Department of Industries and Commerce

COMMON FACILITY SERVICE CENTER

Payyanad, Manjeri, Malappuram -676122.

CERTIFICATE

This is to certify that the project report entitled "STUDY ON THE EFFECT OF CASSAVA TUBER PERIDERM AS A FILLER ON THE PHYSICAL AND MECHANICAL PROPERTIES OF NBR VULCANIZATES" is a record of the bonafide project work carried out by Mr. MUHAMMED SHAHIL.P (Registration No. P21CH2007), M.Sc. Chemistry in the Department of Chemistry, J J COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), in partial fulfilment of the requirements for the award of MASTER OF SCIENCE IN CHEMISTRY at this center under my supervision.




11/04/23
SHAN PR

Assistant Director

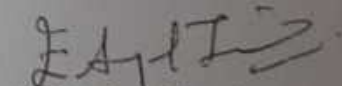
Date:11/04/2023

Dr. E. Angel Jemima, M.Phil., Ph.D., DIWT.,
Chief Executive Officer.

30.03.2023
Trichy

Certificate of Completion

This is to certify that Mr. A. PRAKASH (Reg. No: P21CH2008) M.Sc., Final year student, Department of Chemistry, JJ College of Arts and Science, Pudukkottai has successfully completed his final year research project entitled "**Green synthesis characterization and biological activity of Silver Nanoparticles using *Achyranthes aspera* Seed**" under my guidance and supervision from 4th Jan 2023 to 30th Mar 2023 at Trichy Research Institute of Biotechnology Private Limited, Trichy – 620018. It is further certified that the dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.



Authorized Signature

Dr. E. ANGEL JEMIMA, Ph.D.,
Chief Executive Officer
TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY
No. 107-D, 2nd Floor, 9th Cross (East),
Thillai Nagar, Trichy-620 018.

J.J.COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

(A Silver Jubilee Institution)

(Re-Accredited by NAAC with B⁺⁺ Grade - 4th Cycle)

(Affiliated to Bharathidasan University, Tiruchirappalli)



Date : 10.04.2023

Ref :

CERTIFICATE

This is to certify that **Mr. P.RAGAVENDRA** (REG NO: P21CH2009) doing II M.Sc. Chemistry has successfully completed his project work in our college entitled "SYNTHESIS CHARACTERIZATION AND ANTIMICROBIAL ACTIVITY OF 7 DICYCLOHEXYLAMINOETHYL 8- HYDROXYQUINOLINE AND ITS Cu(II) COMPLEX" during January 2023 to April 2023.


Head of the Department

Dr. C. MUTHUKUMAR, B.Sc., M.Phil., B.Ed., Ph.D.,

Head, Dept. of Chemistry

J.J. College of Arts & Science (Autonomous)

SIVAPURAM

PUDUKKOTTAI - 622 422




Principal

Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.
M.Phil., B.Ed., Ph.D.

PRINCIPAL

J.J. College of Arts and Science
(Autonomous)

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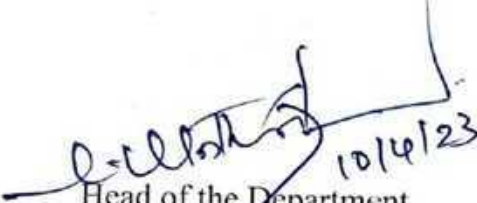


Date : 10.04.2023

Ref :

CERTIFICATE

This is to certify that **Mr. G.SABARISH** (REG NO: P21CH2010) doing II M.Sc. Chemistry has successfully completed his project work in our college entitled "COPPER OXIDE NANOPARTICLES FROM CASSIA AURICULATA FLOWERS SHOWED THE POTENT ANTIMICROBIAL ACTIVITY during January 2023 to April 2023 .


10/4/23
Head of the Department
Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
SIVAPURAM
PUDUKKOTTAI - 622 422




Principal
J.J. PARASURAMAN, M.A., M.B.A., M.C.A.
M.Phil., B.Ed., Ph.D.
PRINCIPAL
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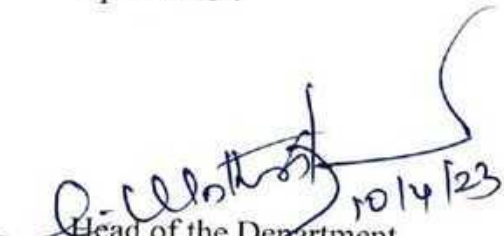


Date : 10.04.2023

Ref :

CERTIFICATE

This is to certify that **Mr. S.SATHEESH** (REG NO: P21CH2011) doing II M.Sc. Chemistry has successfully completed his project work in our college entitled "GREEN AND ECOFRIENDLY SYNTHESIS OF ZINC OXIDE NANOPARTICLES AND ITS CHARACTERIZATION" during January 2023 to April 2023 .


Head of the Department
Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
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TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY PVT. LTD

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CIN No. : U73200TN2017PTC119075

Dr. E. Angel Jemima, M.Phil., Ph.D., DIWT.,
Chief Executive Officer.

27.03.2023

Trichy

Certificate of Completion

This is to certify that Mr. K. SIVA (Reg. No: P21CH2012) M.Sc., Final year student, Department of Chemistry, JJ College of Arts and Science, Pudukkottai has successfully completed his final year research project entitled "**Molecular Docking study of Sarsasapogenin against Porcine pancreatic alpha-amylase complexed with acarbose**" under my guidance and supervision from 10th Jan 2023 to 27th Mar 2023 at Trichy Research Institute of Biotechnology Private Limited, Trichy – 620018. It is further certified that the dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.

Authorized Signature

Dr. E. ANGEL JEMIMA, Ph.D.,
Chief Executive Officer
TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY
No. 107-D 2nd Floor 9th Cross (East),
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J.J.COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

(A Silver Jubilee Institution)

(Re-Accredited by NAAC with B** Grade - 4th Cycle)

(Affiliated to Bharathidasan University, Tiruchirappalli)



Date : 10.04.2023

Ref :

CERTIFICATE

This is to certify that **Mr. S.THARAN** (REG NO: P21CH2013) doing II M.Sc. Chemistry has successfully completed his project work in our college entitled "ADSORPTION AND REMOVAL OF REACTIVE BLUE FROM AQUEOUS SOLUTION USING MILLETIAPINNATA ROOTS" during January 2023 to April 2023 .


10/4/23
Head of the Department
Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
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(Affiliated to Bharathidasan University, Tiruchirappalli)



Date : 10.04.2023

Ref :

CERTIFICATE

This is to certify that **Mr. K.VENKATESH** (REG NO: P21CH2014) doing II M.Sc. Chemistry has successfully completed his project work in our college entitled "SYNTHESIS AND CHARACTERIZATION AND ANTIMICROBIAL ACTIVITY OF 7 DICYCLOHEXYL AMINOETHYL 8-HYDROXYQUINOLINE AND ITS COPPER (II)ACETATE" during January 2023 to April 2023 .


Head of the Department

Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
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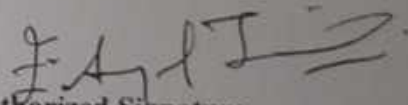
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Dr. E. Angel Jemima, M.Phil., Ph.D., DIWT.,
Chief Executive Officer.

03.04.2023
Trichy

Certificate of Completion

This is to certify that Mr. T. VIJAYARAHAVAN (Reg. No: P21CH2015) M.Sc.,
Final year student, Department of Chemistry, JJ College of Arts and Science, Pudukkottai has
successfully completed his final year research project entitled "**Phytochemical
characterization and antidiabetic activity of *Achyranthes aspera* leaf methanolic extract**"
under my guidance and supervision from 4th Jan 2023 to 03rd Apr 2023 at Trichy Research
Institute of Biotechnology Private Limited, Trichy – 620018. It is further certified that the
dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.


Authorized Signature

Dr. E. ANGEL JEMIMA, Ph.D.,
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