

# **PREPARATION CHARACTERIZATION OF TRANSITION METAL OXIDES**

Dissertation submitted to Kongunadu Arts and Science College affiliated to Bharathiar University in partial fulfilment of the requirements for the award of the degree of

## **BACHELOR OF SCIENCE IN CHEMISTRY**

Submitted by

<b>KEERTHANA .P</b>	<b>(Reg.No.181CH016)</b>
<b>SRUTHILM</b>	<b>(Reg.No.181CH017)</b>
<b>SATHIESHM</b>	<b>(Reg.No.181CH018)</b>
<b>VARSHINLR</b>	<b>(Reg.No.181CH019)</b>
<b>RESHMA.R</b>	<b>(Reg.No.181CH020)</b>
<b>SOWMIYA.J</b>	<b>(Reg.No.181CH021)</b>
<b>JARIF HALIETH.J</b>	<b>(Reg.No.181CH024)</b>

**III B.SC., Chemistry**

Under the guidance of

**Dr.R.MANIMEKALAI,M.Sc.,M.Phil.,Ph.D.,**

**Assistant Professor**



**DEPARTMENT OF CHEMISTRY**

**KONGUNADU ARTS AND SCIENCE COLLEGE**

**(AUTONOMOUS)**

**Coimbatore-641 029**

**MARCH 2021**

# **CORROSION INHIBITION OF METALS BY VARIOUS TYPES OF INHIBITORS – A REVIEW**

Dissertation submitted to Kongunadu Arts and Science College affiliated to Bharathiyar University in partial fulfillment of the requirements for the award of the degree of

## **BACHELOR OF SCIENCE IN CHEMISTRY**

Submitted by

**ARAVINDHAN. M**

**(181CH044)**

Under the guidance of

**Dr. K. KRISHNAVENI M.sc.,M.phil.,B.Ed.,Ph.D**

**Assistant Professsor of Chemistry**



**DEPARTMENT OF CHEMISTRY**

**KONGUNADU ARTS AND SCIENCE COLLEGE**

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### **BACHELOR OF SCIENCE IN CHEMISTRY**

Submitted by

ANISHA .A

(Reg.No. 181CH046)

MYTHILI .M

(Reg. No. 181CH048)

BARKAVI .A

(Reg.No. 181CH049)

Under the guidance of

Dr. K. KRISHNAVENI M.sc.,M.phil.,B.Ed.,Ph.D

Assistant Professor of Chemistry



DEPARTMENT OF CHEMISTRY

KONGUNADU ARTS AND SCIENCE COLLEGE

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**NANOCOMPOSITES AND COORDINATION COMPOUNDS AS CORROSION  
INHIBITORS FOR METALS AND ITS ALLOYS - A REVIEW**

Dissertation submitted to

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in partial fulfillment of the requirements

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Submitted by

**GOWTHAM.T**

(Reg.No:181CH045)

**UTHISHTRAN.B**

(Reg. No:181CH047)

Under the guidance of

**Dr. K. KRISHNAVENI M.Sc.,M.Phil.,B.Ed.,Ph.D.,**

**Assistant Professsor of Chemistry**



**DEPARTMENT OF CHEMISTRY**

**KONGUNADU ARTS AND SCIENCE COLLEGE**

(Autonomous)

Re accredited by NAAC with 'A+' grade(4<sup>th</sup> cycle)

College of Excellence(UGC)

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<b>JARIF HALIETH.J</b>	<b>(Reg.No.181CH024)</b>

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**Assistant Professor**



**DEPARTMENT OF CHEMISTRY**

**KONGUNADU ARTS AND SCIENCE COLLEGE**

**(AUTONOMOUS)**

**Coimbatore-641 029**

**MARCH 2021**



# SYNTHESIS AND CHARACTERISATION OF MANGANESE OXIDE FOR ELECTRO CHEMICAL APPLICATIONS

Dissertation submitted to Kongunadu Arts and Science College affiliated to Bharathiar  
University in partial fulfilment of the requirements for the award of the degree of

## BACHELOR OF SCIENCE IN CHEMISTRY

Submitted by

NANDHINI.T	(Reg. No.181CH031)
SANTHOSH KUMAR.P	(Reg. No.181CH032)
OVIYA DARSHNIA	(Reg. No.181CH033)
POOJASHRI.G	(Reg. No.181CH034)
SOUNDARIYA.G	(Reg. No.181CH035)
KARTHIKA.S	(Reg. No.181CH036)

Under the guidance of  
Dr. K. SAMINATHAN, M.Sc., Ph.D.,  
Assistant Professor of Chemistry



DEPARTMENT OF CHEMISTRY  
KONGUNADU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
Coimbatore- 641 029

MARCH 2021

**SYNTHESIS AND SPECTRAL STUDIES OF 2-AMINO-1-(2-AMINO-4-METHYL-  
PENTANOYLOXY)-PYRIDINIUM CRYSTAL**

**A PROJECT REPORT**

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENTS  
FOR THE AWARD OF THE DEGREE OF  
**BACHELOR OF SCIENCE IN CHEMISTRY**  
OF BHARATHIAR UNIVERSITY, COIMBATORE-641 046

**BY**

<b>RENUGA DEVI. L.</b>	<b>(Reg. No. 181CH009)</b>
<b>PRAVEEN. D.</b>	<b>(Reg. No. 181CH010)</b>
<b>RITHI. G.</b>	<b>(Reg. No. 181CH011)</b>
<b>KRISHNAVENI. P.</b>	<b>(Reg. No. 181CH012)</b>
<b>LOGESH. R.</b>	<b>(Reg. No. 181CH013)</b>
<b>SOWMITHRAN. V.K.</b>	<b>(Reg. No. 181CH014)</b>
<b>THIRUNAVUKARASU. S.</b>	<b>(Reg. No. 181CH015)</b>

**Under the Guidance of**

**Dr. M.S. SIVARAMKUMAR.,**

**M.Sc., M.Sc., M.A., M.A., M.Ed., M.Phil., Ph.D., PGDCHI,**

**Assistant Professor of Chemistry**



**DEPARTMENT OF CHEMISTRY**  
**KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)**

[An Autonomous Institution Affiliated to Bharathiar University]

**COLLEGE OF EXCELLENCE (UGC)**

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**COIMBATORE – 641 029**

**MARCH– 2021**

# **SYNTHESIS AND CHARACTERIZATION OF COPPER OXIDE NANOPARTICLES**

Dissertation submitted to Kongunadu Arts and Science College affiliated to Bharathiar  
University in partial fulfilment of the requirement for the award of the degree of

## **BACHELOR OF SCIENCE IN CHEMISTRY**

Submitted by

SUBASREE .M	(Reg.No:181CH038)
THIRUPATHI .D	(Reg.No:181CH039)
PRATHIKSHA.R	(Reg.No:181CH040)
RINESH. R	(Reg.No:181CH041)
VAHINI. M	(Reg.No:181CH042)
STEJI SUNNY	(Reg.No:181CH043)

Under the guidance of

**Dr. E. JAYANTHI., M.Sc., MPhil., PhD.,**

**Assistant professor**



**DEPARTMENT OF CHEMISTRY**  
**KONGUNADU ARTS AND SCIENCE COLLEGE**  
**( AUTONOMOUS)**  
**COIMBATORE- 641 029**  
**MARCH – 2021**



**SOLVENT-FREE CROSSED ALDOL CONDENSATION OF CYCLIC KETONES  
WITH AROMATIC ALDEHYDES ASSISTED BY MICROWAVE IRRADIATION**

Dissertation submitted to Kongunadu Arts and Science College affiliated to Bharathiar  
University in partial fulfilment of the requirements for the award of the degree of

**BACHELOR OF SCIENCE IN CHEMISTRY**

**Submitted by**

INDHUJA.K	(Reg. No.181CH001)
ABINAYA.D	(Reg. No.181CH002)
UDHAYABHARATHLN	(Reg. No.181CH003)
RENUKA.R	(Reg. No.181CH004)
NARMATHA.S	(Reg. No.181CH005)
ELANCHERAN.B	(Reg. No. 181CH007)

**III B.SC, Chemistry**

**Under the guidance of**

**Dr. V.SANGEETHA, M.Sc., Ph.D.,**

**Assistant Professor and Head of Chemistry**



**DEPARTMENT OF CHEMISTRY**

**KONGUNADU ARTS AND SCIENCE COLLEGE**

**(AUTONOMOUS)**

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**BY**

<b>PUSHPALATHA. V</b>	<b>(Reg. No. 181CH025)</b>
<b>PARKAVI. R.</b>	<b>(Reg. No. 181CH026)</b>
<b>VINODHINI. R.</b>	<b>(Reg. No. 181CH027)</b>
<b>RAJESH KUMAR. M.</b>	<b>(Reg. No. 181CH028)</b>
<b>ANUSREE. G.</b>	<b>(Reg. No. 181CH029)</b>

**Under the Guidance of**

**Dr. R. VELMURUGAN., M.Sc., Ph.D.,**

**Assistant Professor of Chemistry**



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