

**SYNTHESIS AND CHARACTERIZATION OF
PYRAZOLINO CARBAZOLE**

Dissertation Submitted to

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Affiliated to Bharathiar University in partial fulfillment for the award of the degree of

BACHELOR OF SCIENCE IN CHEMISTRY

Submitted by

CHANDNI.J	211CH001
MOHANARAJAN.P	211CH002
VISHNU MADESH.J	211CH003
PRIYANKA.M	211CH004

Under the guidance of

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

Associate Professor and Head



DEPARTMENT OF CHEMISTRY

(Supported by DBT – Star College Scheme)

**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

Re-accredited by NAAC with 'A+' Grade (4th Cycle)

[College of Excellence (UGC)]

29th Rank among Colleges in NIRF 2023

Coimbatore – 641 029

APRIL 2024

**PHOTOCATALYTIC ACTIVITY OF GUARGUM NANOPARTICLE
ON METHYLENE BLUE DYE**

Dissertation Submitted to

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Affiliated to Bharathiar University in partial fulfillment for the award of the degree of

'BACHELOR OF SCIENCE IN CHEMISTRY

Submitted by

SRIRAMYA.A

211CH005

ABINAYA.S

211CH006

GURUPRASATH.S

211CH007

MATHUMITHA.M

211CH008

Under the guidance of

Dr. M. S. SIVARAMKUMAR,

M. Sc., MPhil., Ph. D, M.Sc., MA., MA., M. Ed., PGDCHI

Assistant professor



DEPARTMENT OF CHEMISTRY

(Supported by DBT – Star College Scheme)

**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

Re-accredited by NAAC with 'A+' Grade (4th Cycle)

[College of Excellence (UGC)]

29th Rank among Colleges in NIRF 2023

Coimbatore – 641 029

APRIL 2024

**SYNTHESIS, CHARACTERISATION OF TRANSITION METAL OXIDE
NANOPARTICLES**

Dissertation Submitted to
KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)

Affiliated to Bharathiar University in partial fulfilment for the award of the degree of
BACHELOR OF SCIENCE IN CHEMISTRY

Submitted By	
S. SYED JAFFER SADIQ	211CH009
S. LISHANTHINI	211CH010
S. VIGNESH	211CH011
S. VIMAL KUMAR	211CH012

Under the guidance of

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

Assistant Professor



DEPARTMENT OF CHEMISTRY

(Supported by DBT – Star College Scheme)

KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)

Re-accredited by NAAC with 'A+' Grade (4th Cycle)

College of Excellence (UGC), 29th Rank among Colleges in NIRF 2023

Coimbatore – 641 029

April 2024

**PHOTOCATALYTIC ACTIVITY OF CHITOSAN NANO PARTICLES ON
RHODAMINE B DYE**

Dissertation Submitted to

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Affiliated to Bharathiar University in partial fulfillment for the award of the degree of

BACHELOR OF SCIENCE IN CHEMISTRY

Submitted By

Ms.S.KAVYA	201CH018
Mr.K.SARANESH	201CH019
Ms.M.NIKITHA PRIYA	201CH020
Mr.S.SIVARAMAKRISHNA	201CH021
Mr.S.SELVA PRASANNA	201CH022
Ms.M.SRI PRAGATHI	201CH023

Under the guidance of

Dr.M.S.SIVARAMKUMAR.,M.Sc.,M.Sc.,M.A.,M.A.,M.Ed.,MPhil.,Ph.D.,PGDCHI

Assistant Professor



DEPARTMENT OF CHEMISTRY

(Supported by DBT – Star College Scheme)

**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

Re-accredited by NAAC with 'A+' Grade (4th Cycle)

College of Excellence (UGC)

31st Rank among Colleges in NIRF 2022

Coimbatore – 641 029

April 2023

**BEYOND LITHIUM:SODIUM-ION COIN CELLS WITH TAILORED CATHODE AND
GRAPHENE ANODE FOR NEXT-GEN ENERGY STORAGE**

Dissertation Submitted to

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Affiliated to Bharathiar University in partial fulfillment for the award of the degree of

BACHELOR OF SCIENCE IN CHEMISTRY

Submitted by

SUBIKSHA.K

211CH013

BALAJI.S

211CH014

BARATH.K.M

211CH015

RITHIKA.M.I

211CH016

Under the guidance of

Dr. K.SAMINATHAN M.Sc.,P.hd

Assistant / Associate Professor



DEPARTMENT OF CHEMISTRY

(Supported by DBT – Star College Scheme)

KONGUNADU ARTS AND SCIENCE COLLEGE

(AUTONOMOUS)

Re-accredited by NAAC with 'A+' Grade (4th Cycle)

[College of Excellence (UGC)]

29th Rank among Colleges in NIRF 2023

Coimbatore – 641 029

APRIL 2024

**GREEN SYNTHESIS CHARACTERIZATION AND BIOLOGICAL ACTIVITY OF COPPER OXIDE
NANOPARTICLES USING *curcuma amada***

Dissertation Submitted to

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Affiliated to Bharathiar University in partial fulfillment for the award of the degree of
BACHELOR OF SCIENCE IN CHEMISTRY

Submitted by

RANIL.V	211CH017
SENTHAMIZHARASI.P	211CH018
NARMADHA.V.M	211CH019
DIVYA.K	211CH020

Under the guidance of

Dr.E.JAYANTHI, M.Sc, M.Phil, Ph.D

Assistant professor



DEPARTMENT OF CHEMISTRY

(Supported by DBT – Star College Scheme)

**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

Re-accredited by NAAC with 'A⁺' Grade (4th Cycle)

[College of Excellence (UGC)]

29th Rank among Colleges in NIRF 2023

Coimbatore – 641 029

April - 2024

EFFECT OF TEMPERATURE AND IMMERSION TIME ON THE CORROSION INHIBITION OF MILD STEEL IN SODIUM HYDROXIDE MEDIUM

Dissertation Submitted to

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Affiliated to Bharathiar University in partial fulfillment for the award of the degree of

BACHELOR OF SCIENCE IN CHEMISTRY

Submitted by

VANYAA LINGI. R	211CH022
DRAVID RAJA. K	211CH024
SAMEERA. M	211CH025

Under the guidance of

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

Assistant Professor



DEPARTMENT OF CHEMISTRY

**(Supported by DBT – Star College Scheme)
KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

Re-accredited by NAAC with 'A+' Grade (4th Cycle)

[College of Excellence (UGC)]

29th Rank among Colleges in NIRF 2023

Coimbatore – 641 029

April 2024

**SYNTHESIS OF INDAZOLE SUBSTITUTED QUINOLINE
SCAFFOLDS**

Dissertation Submitted to

**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

Submitted to Bharathiar University in partial fulfillment for the award of the degree of
BACHELOR OF SCIENCE IN CHEMISTRY

Submitted by

PATRICK PAUL. J

211CH026

MOHANAPRIYA. M

211CH027

ASHWINI. S

211CH028

Under the guidance of

Dr. K. CHANDRA PRAKASH

Assistant Professor



DEPARTMENT OF CHEMISTRY

(Supported by DBT – Star College Scheme)

**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

Re-accredited by NAAC with 'A+' Grade (4th Cycle)

[College of Excellence (UGC)]

29th Rank among Colleges in NIRF 2023

Coimbatore – 641 029

APRIL 2024