

STUDIES ON THE SYNTHESIS AND CHARACTERISATION OF COPPER OXIDE NANOPARTICLES

Dissertation

Submitted to Bharathiar University in partial fulfillment of the requirement for the
award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Done by

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KONGUNADU ARTS AND SCIENCE COLLEGE

*[An Autonomous Institution affiliated to Bharathiar University
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COIMBATORE-641 029

STUDIES ON THE SYNTHESIS AND CHARACTERISATION OF NICKEL COBALTITE NANOPARTICLES

Dissertation

**Submitted to Bharathiar University in partial fulfillment of the requirement for the
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STUDIES ON THE SYNTHESIS AND CHARACTERISATION OF CADMIUM OXIDE NANOPARTICLES

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STUDIES ON THE SYNTHESIS AND CHARACTERISATION OF NICKEL OXIDE NANOPARTICLES

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COIMBATORE-641 029

STUDIES ON THE SYNTHESIS AND CHARACTERISATION OF ZINC OXIDE NANOPARTICLES

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STUDIES ON THE SYNTHESIS AND CHARACTERISATION OF ZINC COBALTITE NANOPARTICLES

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COIMBATORE-641 029

A ONE-POT MULTICOMPONENT SYNTHESIS OF HANTZSCH 1,4-DIHYDROPYRIDINE DERIVATIVES UNDER MICROWAVE IRRADIATION

Dissertation

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March – 2020

**MICROWAVE ASSISTED SYNTHESIS OF HANTZSCH
1,4-DIHYDROPYRIDINE DERIVATIVES FROM 4-CHLORO
BENZALDEHYDE**

Dissertation

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March – 2020

**GREEN APPROACH FOR SYNTHESIS OF HANTZSCH
1,4-DIHYDROPYRIDINE DERIVATIVES FROM m-NITRO
BENZALDEHYDE AND p-TOLUALDEHYDE**

Dissertation

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GREEN SYNTHESIS OF HANTZSCH 1,4-DIHYDROPYRIDINE DERIVATIVES FROM CINNAMALDEHYDE UNDER MICROWAVE IRRADIATION

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**MULTICOMPONENT SYNTHESIS OF HANTZSCH
1,4-DIHYDROPYRIDINE DERIVATIVES FROM 4-ANISALDEHYDE
AND 2-CHLORO BENZALDEHYDE**

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MICROWAVE ONE-POT SYNTHESIS OF HANTZSCH 1,4-DIHYDROPYRIDINE DERIVATIVES

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COIMBATORE-641 029

PREPARATION CHARACTERIZATION AND ANTIBACTERIAL STUDIES OF IMIDAZOLE ZINC(II) PHTHALATE HYDRATE

Dissertation

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March – 2020

**PREPARATION, CHARACTERISATION AND ANTIBACTERIAL
STUDIES OF 2-METHYL IMIDAZOLIUM PHTHALATE AND 2
METHYL IMIDAZOLE NICKEL (II) PHTHALATE HYDRATE**

Dissertation

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COIMBATORE – 641 029

March – 2020

**SYNTHESIS, SPECTRAL, THERMAL AND ANTIBACTERIAL PROPERTIES
OF GUANIDINIUM Cd(II) METHOXY BENZOATE**

Dissertation

**Submitted to Bharathiar University in partial fulfillment of the requirement for the
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COIMBATORE-641 029

**PREPARATION CHARACTERIZATION AND ANTI-BACTERIAL
STUDY OF IMIDAZOLE/ METHYL IMIDAZOLE METAL (II)
(Ni & Cu) PHTHALATE**

Dissertation

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March – 2020

SYNTHESIS OF COPPER NANOPARTICLES PREPARED BY THERMAL DECOMPOSITION OF 2-METHYLIMIDAZOLE PICOLINATOCOPPER(II)HYDRATE COMPLEX

Dissertation

**Submitted to Bharathiar University in partial fulfillment of the requirement for
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March – 2020.

**SYNTHESIS OF NICKEL NANOPRTICLES BY THERMAL
DECOMPOSITION OF NEWLY SYNTHESISED GUANIDINIUM
NICKEL(II) METHOXYBEZOATE**

Dissertation

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March – 2020

**“SYNTHESIS AND CHARACTERIZATION OF
HYDROXYPYRIMIDOCYCLOPENT[b]INDOLE”**

Dissertation

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COIMBATORE – 29

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SYNTHESIS AND CHARACTERISATION OF CARBAZOLE DERIVATIVE

Dissertation

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**“SYNTHESIS AND CHARACTERISATION OF
4,9-DIHYDROISOXAZOLO-[4',3':4,5]-CYCLOPENT[b]INDOLE”**

Dissertation

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March - 2020

SYNTHETIC STUDIES ON HETEROANNULATED CARBAZOLES

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**“SYNTHESIS AND CHARACTERIZATION OF
AMINOPYRIMIDOCYCLOPENT[b]INDOLE”**

Dissertation

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March - 2020

SYNTHESIS AND CHARACTERIZATION OF MERCAPTOPYRIMIDOCYCLOPENT[*b*]INDOLE

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**SYNTHESIS AND CHARACTERISATION OF MANGANESE
FERRITE NANOPARTICLES VIA CO-PRECIIPITATION
METHOD AND ITS ANTIBACTERIAL STUDY**

Dissertation

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COIMBATORE – 29

March - 2020

**COPPER FERRITE NANOPARTICLES SYNTHESIZED USING
CO-PRECIIPITATION METHOD AND ITS
ANTIBACTERIAL STUDY**

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March -2020

**SYNTHESIS OF MANGANESE FERRITE NANOPARTICLES BY
CO-PRECIIPITATION METHOD: CHARACTERIZATION AND ITS
ANTIBACTERIAL STUDY**

Dissertation

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March - 2020

**PREPARATION OF MANGANESE FERRITE NANOPARTICLES:
CHARACTERIZATION AND ITS ANTIBACTERIAL STUDY**

Dissertation

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March - 2020

**CO-PRECIPITATION SYNTHESIS OF
COPPER FERRITE NANOPARTICLES: CHARACTERIZATION
AND ITS ANTIBACTERIAL STUDY**

Dissertation

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March - 2020

**SYNTHESIS AND CHARACTERIZATION OF COPPER FERRITE
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ANTIBACTERIAL STUDY**

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