

**SYNTHESIS, CHARACTERIZATION AND ANTIMICROBIAL  
ACTIVITY OF BORAX WITH POTASSIUM PERMANGANATE  
CRYSTAL**

A Dissertation submitted to

**A.V.V.M. Sri Pushpam College (Autonomous)**

Affiliated to **Bharathidasan University, Thiruchirappalli**

in partial fulfillment of the requirement for the award of the degree of

**MASTER OF PHILOSOPHY  
IN  
CHEMISTRY**

Submitted by

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**[Reg. No. 19CHB 552]**

Under the guidance of

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**PG and Research Department of Chemistry**

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**JANUARY– 2021**



**SYNTHESIS OF ZNO&MGO NANOPARTICLES,  
CHARACTERIZATION AND APPLICATIONS IN THE  
DEGRADATION OF METHYLENE BLUE DYE**

A dissertation submitted to  
**BHARATHIDASAN UNIVERSITY**  
For the award of the degree of

**MASTER OF PHILOSOPHY  
IN  
CHEMISTRY**

By

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(Reg.No:19CHB554)

Under the guidance of

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**JANUARY - 2021**



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**SYNTHESIS, CHARACTERISATION AND ANTIBACTERIAL  
ACTIVITY OF Mn DOPED ZnO NANOPARTICLES**

A dissertation submitted to  
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CHEMISTRY**

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SYNTHESIS OF SILVER NANOPARTICLES, ANTIOXIDANT PROPERTIES AND  
ANTIMICROBIAL ACTIVITIES USING FLOWERS OF *Hybanthus enneaspermus*

A Dissertations Submitted to

A.VEERIYA VANDAYAR MEMEORIAL SRI PUSHPAM COLLEGE  
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[AFFILIATED BY THE BHARATHIDASAN UNVIERSITY, THIRCHIRAPALLI]  
In partial fulfillment of the requirements for the awarded of the degree of

MASTER OF PHILOSOPHY

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TAMIL NADU, INDIA

**JUNE - 2021**



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**ONE STEP GREEN SYNTHESIS OF MnO<sub>2</sub> NANOPARTICLES AND  
ULTRASONICATION ASSISTED DECOLOURIZATION OF  
METHYLENE BLUE DYE**

A dissertation submitted to  
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IN  
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**RAPHANUS SATAIIVUS ROOT EXTRACT MEDIATED FACILE  
GREEN SYNTHESIS OF COPPER OXIDE NANOPARTICLES**

A dissertation submitted to  
**BHARATHIDASAN UNIVERSITY**  
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IN  
CHEMISTRY**

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**GREEN SYNTHESIS AND CHARACTERIZATION OF TIN OXIDE  
NANOPARTICLES BY MOMORDICA CHARANTIA EXTRACT**

A dissertation submitted to  
**BHARATHIDASAN UNIVERSITY**  
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**MASTER OF PHILOSOPHY  
IN  
CHEMISTRY**

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Date:



**CERTIFICATE**

This is to certify that the dissertation entitled "GREEN SYNTHESIS AND  
CHARACTERIZATION OF TIN OXIDE NANOPARTICLES BY MOMORDICA

Edit



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# ONE STEP GREEN SYNTHESIS OF ZSO NANO COMPOSITE BY TEA SOLUTION

A dissertation submitted to  
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For the award of the degree of

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IN  
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**A.V.V.M SRI PUSHPAM COLLEGE (AUTONOMOUS)**



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**A STUDY ON PHYTOCHEMICAL SCREENING ANTIOXIDENT  
AND ANTICANCER ACTIVITY OF *Aplotaxis auriculata* ROOTS  
EXTRACT**

A thesis submitted to  
**A.V.V.M. SRI PUSHPAM COLLEGE (AUTONOMOUS)**  
**BHARATHIDASAN UNIVERSITY**  
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**MASTER OF PHILOSOPHY**  
**IN**  
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**JANUARY -2021**

**A STUDY ON SOIL QUALITY IN  
SETHUBAVACHATRAM BLOCK -  
THANJAVUR DISTRICT**

**DISSERTATION**

**Submitted  
to**

**A.Veeriya Vandayar Memorial Sri Pushpam  
College(Autonomous)  
POONDI**

*(Affiliated to Bharathidasan University, Tiruchirappalli) in  
Partial fulfillment of the requirements for the award of the  
Degree of*

**MASTER OF PHILOSOPHY IN CHEMISTRY**

**By**

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**January 2021**

**ANALYSIS OF N,P,K CONTENT AND MICRO NUTRIENTS  
IN THE SOIL SAMPLES COLLECTED FROM KANNANTHANGUDI  
MELAIYUR VILLAGE, ORATHANADU TALUK, THANJAVUR  
DISTRICT, TAMIL NADU.**

**Dissertation Submitted to**

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**In partial fulfillment of the requirements  
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