



## **P.Gurulakshmi,**

Assistant Professor,

Department of Chemistry,

A.P.C.Mahalaxmi College for Women, Thoothukudi

**Email:** guru199127@gmail.com

**Date of Joining** : 16.6.2017

**Education** : M.Sc, M.Phil, B.Ed.,

**Specialization** : Nano Chemistry

### **Education & Credentials**

<b>Degree</b>	<b>College / University</b>	<b>Specialization</b>	<b>Year</b>
<b>Ph.D</b>	V.O.Chidambaram College, Thoothukudi	Chemistry	on going
<b>B.Ed</b>	V.O.Chidambaram College of Education, Thoothukudi	Education	2012
<b>M.Phil</b>	V.O.Chidambaram College, Thoothukudi	Chemistry	2015
<b>M.Sc</b>	V.O. Chidambaram College, Thoothukudi	Chemistry	2014
<b>B.Sc</b>	Kamaraj College , Thoothukudi	Chemistry	2011

### **Conferences / Seminars / Workshops Attended**

#### **International Level**

- ❖ Participated and Paper presented entitled “Green synthesis and characterisation of copper nanoparticle and their application” at International conference on New

Advance in Chemistry and Material organized by the Department of Chemistry and research center, sarah tucker college (Autonomous), Tirunelveli on 5 January 2016

- ❖ Participated and Paper presented entitled “Preparation and Photocatalytic activity of zinc oxide nanoparticles assisted by Cressa critica” International conference on Recent Advancement in Information Technology, Science & Engineering at A.P.C Mahalaxmi College for Women, Thoothukudi on 14<sup>th</sup>, 15<sup>th</sup> December 2017
- ❖ Participated in the International Conference on Women Empowerment to Lead at A.P.C. Mahalaxmi College for Women, Thoothukudi on 7<sup>th</sup>, February 2018
- ❖ Participated International seminar on Material Science and Technology at A.P.C Mahalaxmi College for Women, Thoothukudi on 23<sup>rd</sup> February 2018
- ❖ Participated in International conference on Recent Trends in Multidisciplinary approach at V.O.C. College, Thoothukudi on 19<sup>th</sup>, 20<sup>th</sup>, APRIL 2018
- ❖ Participated in International conference on Recent Trends in Multidisciplinary approach at APC Mahalaxmi College for Women, Thoothukudi on 20<sup>th</sup>, 21<sup>st</sup> December 2018

#### **National Level**

- Participated in the National conference on “Synthesis and Characterization of Nanomaterials-2014” at V.O.C. College, Thoothukudi during 25<sup>th</sup> and 26<sup>th</sup> Feb. 2014
- Participated in the One day National seminar on “New Vistas in Chemistry” at A.P.C. Mahalaxmi college for women, Thoothukudi on 21<sup>st</sup> December 2015.
- Participated in DST sponsored National Conference on “Advanced Materials and their Application” at V.O.C. College, Thoothukudi during 21<sup>st</sup> and 22<sup>nd</sup> Jan. 2016
- Participated and Paper presented entitled “Photocatalytic activity of Cadmium Oxide nanoparticles” UGC sponsored National Seminar on Green Chemistry: an Outlook at Popes College, Sayerpuram, Thoothukudi on 24<sup>rd</sup> March 2018.
- Participated in One day seminar on Innovative methods in chemical Science at Popes College on 6<sup>th</sup> Feb 2019

#### **State Level**

- ❖ Participated in One day State Level seminar on “Recent Trends in Chemistry” at V.O.C. College, Thoothukudi on 21<sup>st</sup> Aug. 2013.
- ❖ Participated in the One day State Level seminar on “E-Commerce Security Challenges and Solution” at A.P.C. Mahalaxmi college for women, Thoothukudi on 16<sup>th</sup> Oct 2017.

- ❖ Participated in one day state level seminar on Microscale experiments in chemistry at Kamaraj College ,Thoothukudi on 27<sup>th</sup> august 2018
- ❖ Participated in one day state level seminar on Save Chemical and Save environment at A.P.C. Mahalaxmi college for women , Thoothukudi on 18.09.2018

### **Workshop**

- ❖ Science academic Lecture Workshop on Current Innovation and Development in Life Science at A.P.C. Mahalaxmi college for women , Thoothukudi on 14<sup>th</sup> ,15<sup>th</sup> March 2018.
- ❖ Participated in workshop on Scholarly Writing and Publishing Research papers at V.o.Chidambaram College ,Thoothukudi on 02.02.2019.

### **Theses / Dissertations**

- **M.Phil Thesis**

**Title:** “Green Synthesis and Characterization of Copper Nanoparticles and Their Applications” under the guidance of Dr. Jessica Fernando, Assistant Professor , Department of Chemistry, V.O.C.College , Thoothukudi.

- **M.Sc. Thesis**

**Title:** “Sunlight Induced Synthesis of Silver Nanoparticles using *Holothuria scabra*, their Characterization and Applications” under the guidance of Dr.T.Peter Amaladas, Assistant Professor, Department of Chemistry, V.O.C.College , Thoothukudi

### **Papers Presented in Conferences / Seminars**

#### **International Level**

- ❖ Paper presented entitled “Green synthesis and characterisation of copper nanoparticle and their application” at International conference on New Advance in Chemistry and Material organized by the Department of Chemistry and research center, Sarah Tucker college (Autonomous), Tirunelveli on 5 January 2016
- ❖ Paper presented entitled “Preparation and Photocatalytic activity of zinc oxide nanoparticles assisted by *Cressa critica*” International conference on Recent Advancement in Information Technology, Science & Engineering at APC Mahalaxmi College for Women, Thoothukudi on 14<sup>th</sup>, 15<sup>th</sup> December 2017

- ❖ Paper presented entitled “GREEN synthesis and Charecterization of Cadmium oxide nanoparticles” International conference on Recent Trents in Multidiciplinary approach at V.O.C. College , Thoothukudi on19th,20<sup>th</sup>,APRIL 2018
- ❖ Paper presented entitled “Photocatalytic activity of Cadmium oxide nanoparticles” International conference on Recent Trents in Multidiciplinary approach at APC Mahalaxmi College for Women, Thoothukudi on20<sup>th</sup>,21<sup>th</sup> December2018

### **National Level**

- Paper presented entitled “ Photocatalytic activity of Cadmium Oxide nanoparticles” Nationl Seminar on Green Chemistry: an Outlook at Popes College ,Sayerpuram,Thoothukudi on 23<sup>rd</sup> March 2018.

### **Proceedings**

- “Green Synthesis,characterization and application of copper nanoparticle" in DST sponsored National Conference on “Advanced Materials and their Application” at V.O.C. College, Thoothukudi during 21<sup>st</sup> and 22<sup>nd</sup> Jan.2016

### **Paper Publications**

- “Green Synthesis and Characterization of Copper Nanoparticles and Their Applications”, Journal of Nanoscience and Technology(JNST),Volume1, issue1, 2017.
- “Synthesis and Charecterization and Applications of Metal Oxide Nanoparticles from Cressa Cretica Whole Plant”, International Journal of Science Eingeneering and Management(IJSEM), Vol2,Issue12,Dec 2017
- Green synthesis and characterization of cadmium oxide Nanoparticle, Journal of Emerging Technologies and innovative Research,volume6, issue3,March 2019.ISSN-2349-5162.
- Photocatalytic activity of cadmium oxide nanoparticles, Journal of Emerging Technologies and innovative Research,volume6, issue2, February 2019.ISSN-2349-5162.

