



**Name** : **S.Kalaiaarasi**,  
Assistant Professor of Chemistry,  
A.P.C.Mahalaxmi College for Women,  
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**E-mail** : kalaponpriya@gmail.com  
**Date of Joining** : 16.06.2014  
**Education** : M.Sc., M.Phil., B.Ed.,

**Education & Credentials:**

Degree	College/University	Year of Passing
B.Sc.,(Chemistry)	Sri Sarada College for women, Tirunelveli/M.S University, Tirunelveli.	2000
M.Sc., (Chemistry)	V.O.C College, Tuticorin / M.S University, Tirunelveli	2012
M.Phil., (Chemistry)	V.O.C College, Tuticorin / M.S University, Tirunelveli	2014
B.Ed.,	V.O.C College of Education, Tuticorin	2010
Ph.D	V.O.C College , Tuticorin	ongoing

**M.Phil Thesis:**

“Synthesis and Characterization of nano  $\text{Al}_2\text{O}_3$  – $\text{CeO}_2$  and  $\text{MoO}_3$  – $\text{CeO}_2$  mixed oxides for corrosive resistant and photocatalytic Application.

### **National Level**

- ❖ National Seminar on “Current trends in Chemistry” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 27th August, 2014. Sponsored by A.P.C. Mahalaxmi College for Women, Thoothukudi. Participated in the National conference on “Synthesis and Characterization of Nanomaterials-2014” at V.O.C. College, Thoothukudi during 25th and 26th Feb. 2014.
- ❖ UGC Sponsored National Seminar on “Current Trends in Chemistry –CTC-15” at A.P.C. Mahalaxmi College, Thoothukudi on 4th and 5th February, 2015.
- ❖ Participated in the One day National seminar on “New Vistas in Chemistry” at A.P.C. Mahalaxmi college for women, Thoothukudi on 21st December 2015.
- ❖ DST sponsored National Conference on “Advanced Materials and their Application” at V.O.C. College, Thoothukudi during 21 & 22<sup>nd</sup> Jan 2016.
- ❖ Participated in the one day National seminar on “Innovative Methods in Research Science” organized by the Department of Chemistry, Pope’s College, Sawyerpuram on 6<sup>th</sup> Feb 2019.
- ❖ Participated in the two day National symposium on “New Dimensions in Chemical Research CHEMINO-2019” organized by the Department of Chemistry, Annai Velankanni College, Tholayavattam on 7<sup>th</sup> & 8<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 solutions” at A.P.C Mahalaxmi College, Thoothukudi. on 16<sup>th</sup> October 2017.

### **International Level**

- ❖ 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 and 15<sup>th</sup> December 2017.
- ❖ Participated in “2<sup>nd</sup> International Seminar on Material Science and Technology” at APC Mahalaxmi College for Women, Thoothukudi on 23<sup>rd</sup> Feb 2018.
- ❖ Participated in “Women: Empowered to Lead” organized by the Department of Commerce(UA) on 7<sup>th</sup> Feb, 2018.
- ❖ Participated and Paper presented entitled “Synthesis, characterization and photocatalytic Application of nano ZrO<sub>2</sub> and MoO<sub>3</sub>-ZrO<sub>2</sub> mixed oxide nanoparticles” in International conference on Recent Trends in Multi -Disciplinary Research organized by APC Mahalaxmi College for Women, Thoothukudi on 20 & 21<sup>th</sup> December, 2018.
- ❖ Participated and Paper presented entitled “Synthesis, characterization and corrosion studies Al<sub>2</sub>O<sub>3</sub>-CeO<sub>2</sub> mixed oxide nanoparticles” and “Synthesis, Characterization and Electrochemical behaviour of Metal Oxide Nanoparticles from Cressa Cretica Whole Plant” in International conference on Advanced Materials and their Applications(ICAMA) held at Department of Chemistry, V.O.Chidambaram, Thoothukudi on 27<sup>th</sup> December, 2018.
- ❖ Participated and Paper presented entitled “ Synthesis and characterization of nano MoO<sub>3</sub>-ZrO<sub>2</sub> mixed oxide nanoparticles” International conference on Recent Advancement in Multi disciplinary Research at V.O.C. College, Thoothukudi on 19 & 20<sup>th</sup> April 2018.

### **Proceedings**

- ❖ Preparation and Photocatalytic activity of zinc oxide nanoparticles assisted by Cressa critica in International conference on Recent Advancement in Information Technology, Science & Engineering at APC Mahalaxmi College for Women, Thoothukudi on 14 & 15<sup>th</sup> December 2017.
- ❖ Synthesis, characterization and photocatalytic Application of nano  $ZrO_2$  and  $MoO_3$ - $ZrO_2$  mixed oxide nanoparticles in International conference on Recent Trends in Multi - Disciplinary Research organized by APC Mahalaxmi College for Women, Thoothukudi on 20 & 21<sup>th</sup> December, 2018.
- ❖ Synthesis, characterization and corrosion studies  $Al_2O_3$ - $CeO_2$  mixed oxide nanoparticles in International conference on Advanced Materials and their Applications (ICAMA) held at Department of Chemistry, V.O.Chidambaram, Thoothukudi on 27<sup>th</sup> December, 2018.
- ❖ “Synthesis, characterization and corrosion studies  $MoO_3$ - $CeO_2$  mixed oxide nanoparticles” National conference symposium on “New Dimensions in Chemical Research CHEMINO-2019” held at Department of Chemistry, Annai Velankanni College, Tholayavattam on 7 & 8<sup>th</sup> Feb 2019.

### **Workshop**

- ❖ Workshop on “Recent Advances in Chemistry (RAC-2016)” – Science Academies of India, in V.O.C College, Tuticorin.
- ❖ Workshop on “Current Innovations & Development in Life Science” organized by the Department of Zoology at APC Mahalaxmi College for Women, Thoothukudi on 14 & 15<sup>th</sup> March 2018.
- ❖ Workshop on “Women in Science and Research” held on 27-28<sup>th</sup> July 2018, organized by the Internal Quality Assurance Cell (IQAC) V.O.Chidambaram College- Thoothukudi.

- ❖ Workshop on “save chemicals save environments” organized by the Department of Chemistry at APC Mahalaxmi College for Women, Thoothukudi on 19<sup>th</sup> Sep 2018.
- ❖ Workshop on “Scholarly Writing & Published Research Papers” held on 2 Feb 2019, organized by the Internal Quality Assurance Cell (IQAC) V.O.Chidambaram College - Thoothukudi.

### **Paper presentation**

- ❖ 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 & 15<sup>th</sup> December 2017.
- ❖ Paper presented entitled “Synthesis and characterization of MoO<sub>3</sub>-ZrO<sub>2</sub> mixed oxide nanoparticles” in International conference on recent trends in multi disciplinary research organized by V.O.Chidambaram College on 19 & 20<sup>th</sup> April, 2018.
- ❖ Paper presented entitled “Synthesis, characterization and photocatalytic Application of nano ZrO<sub>2</sub> and MoO<sub>3</sub>-ZrO<sub>2</sub> mixed oxide nanoparticles” in International conference on Recent Trends in Multi -Disciplinary Research organized by APC Mahalaxmi College for Women, Thoothukudi on 20 & 21<sup>th</sup> December, 2018.
- ❖ Paper presented entitled “Synthesis, characterization and corrosion studies Al<sub>2</sub>O<sub>3</sub>-CeO<sub>2</sub> mixed oxide nanoparticles” in International conference on Advanced Materials and their Applications (ICAMA) held at Department of Chemistry, V.O.Chidambaram, Thoothukudi on 27<sup>th</sup> December, 2018.
- ❖ Paper presented entitled “Synthesis, Characterization and Electrochemical behaviour of Metal Oxide Nanoparticles from Cressa Cretica Whole Plant” in International conference

on “Advanced Materials and their Applications”(ICAMA) held at Department of Chemistry, V.O.Chidambaram ,Thoothukudi on 27<sup>th</sup> December,2018.

- ❖ Paper presented entitled “Synthesis,characterization and corrosion studies  $\text{MoO}_3\text{-CeO}_2$  mixed oxide nanoparticles” National conference symposium on “New Dimensions in Chemical Research CHEMINO-2019” held at Department of Chemisry, Annai Velankanni College, Tholayavattam on 7 & 8<sup>th</sup> Feb 2019.

### **Paper Publication**

- ❖ Synthesis,Electrochemical of characterization  $\text{Al}_2\text{O}_3\text{-CeO}_2$  mixed oxide nanoparticles.
- ❖ Synthesis Electrochemical characterization of  $\text{MoO}_3\text{-CeO}_2$  mixed oxide nanoparticles.
- ❖ Preparation and Photocatalytic activity of zinc oxide nanoparticles assisted by Cressa critica.
- ❖ Synthesis and characterization of nano  $\text{ZrO}_2$  and  $\text{MoO}_3\text{-ZrO}_2$  mixed oxide nanoparticles
- ❖ Synthesis, characterization and photocatalytic application of nano  $\text{ZrO}_2$  and  $\text{MoO}_3\text{-ZrO}_2$  mixed oxide nanoparticles.

### **Other Activities**

Member of Criterion VII - IQAC

Member of Library Advisory Committee in A.P.C.Mahalaxmi College for Women