

### Faculty Profile



Name : **Dr. Mrs. K. Southamani**  
Designation : Rtd.Associate Professor & Former  
Head of the Department  
Department : Chemistry  
Date of Birth : 10.01.1959  
Date of Appointment : 23.07.1981

#### **CONTACT DETAILS**

Present Address : 15/2-1D,Sarojini street,  
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#### **ACADEMIC**

<b>S. N</b>	<b>Degree</b>	<b>University / Institution</b>	<b>Year of Completion</b>
<b>1</b>	PUC	Sri Meenakshi college, Madurai.	1976
<b>2</b>	B. Sc	Sri Meenakshi college, Madurai.	1979

<b>S. N</b>	<b>Degree</b>	<b>University / Institution</b>	<b>Year of Completion</b>
<b>3</b>	M. Sc	Madurai Kamaraj University Madurai.	1981
<b>4</b>	M.Phil	Madurai Kamaraj University Madurai.	1991
<b>5</b>	Ph.D	Mother Teresa Women's University	2019

**Total Experience: UG : 34 PG : 7**

**Date of Retirement: 31.05.2017**

**Area of Specialization/Interest: Inorganic chemistry**

**Professional Affiliation: Students Discipline committee**

**Awarded Ph.D on 28.03.2019** under the guidance of Dr.Sr.Y.Yesu Thangam on the topic "Synthesis and studies on metal Complexes of Heterocyclic Ligands and other Biologically active complexes

## **RESEARCH EXPERIENCE**

### **International Publications:**

1. Y.YesuThangam, **K.Southamani**, M.kalaimathi, S.Nathiya M.Muthulakshmi "Soil physico-chemical characteristics of barren and cultivated lands" International Journal of Ecotoxicology and Environmental Monitoring 22(4) 369-373, 2012. Impact factor/ISSN No. 0971-0965
2. M.Kalaimathi, **K.Southamani**, R.Anitha, Y.Yesu Thangam "Evaluation of soil parameters for soils from Jayamangalam, Periyakulam and Aundipatty-A Case Study" International Journal of Universal Pharmacy and Biosciences with Impact Factor 2.093 ISSN.No.2319-8141.

**National Publication:Nil**

### **Presentations**

Synthesis, characterization and studies of substituted  $\beta$ -hydroxyl Schiff's base and its metal (II) complexes International Conference on Chemistry in synergy with Materials and Biology on 10-11 January 2014, Bishop Heber College, Trichy.

Synthesis, Characterization and Studies of Heterocyclic Schiff Base Transition Metal(II)

Complexes, UGC sponsored on RTC-6 on 8<sup>th</sup> and 9<sup>th</sup> January, JAC.

### **Served as Resource Person**

1. Delivered a special lecture on **Chem-Tips for hale and healthy life** in the Creation of Scientific awareness programme to talented rural school students of Theni Dt sponsored by TNSCST ,Chennai & organized by JAC,Pkm on 5<sup>th</sup> Feb 2010.
2. Training was given for the **Preparation of Industrial Goods- Phenoyl and Candle** in the **Entrepreneur Cell** and to **Elective Students** on 12<sup>th</sup> August, 2014 & 20<sup>th</sup> March, 2015 respectively in JAC.
3. Delivered a Lecture on **Substitution Reactions – Nucleophilic Substitution and Electrophilic Substitution** at Mother Teresa Women's University, Kodaikanal on 9<sup>th</sup> September, 2014.
4. Delivered a lecture on **Inorganic Photochemistry at** MTU, Kodaikanal on 16<sup>th</sup> October, 2014.

***Number of Seminars/Conferences/Workshops Participated (Last Five Years): 23***