

Dr.R.ThamilMagal

Assistant Professor
Department of Chemistry
Faculty of Science and Humanities
University College of Engineering Panruti
Cuddalore



+91 9788856117



gthk25120601@gmail.com
thamilmagal@ucep.edu.in



Professional Teaching Ethics

- *Dedicated Professor with a strong record in both teaching and administration*
- *Extensive breadth of experience in teaching chemistry in school and at the college level*
- *Strong ability to deliver course material through a variety of teaching methods*
- *Excellent presentation and communication skills*
- *Superior creative and critical thinking abilities*
- *Great multitasking ability to balance teaching and administrative duties*
- *Student-centric instructor and good academic facilitator*
- *Commitment to research, illustrated over a lengthy tenure in academic roles.*
- *Trustworthy and have a good relationships with students, colleagues, and administrators.*



Professional Experience



Assistant Professor

University College of Engineering Panruti

18-09-2009 To till date

Lecture IFETCET Villupuram

01-08-2008 To 10-06-2009

Guest Lecturer

Periyar (Govt) Arts college, Cuddalore

09-07-1997 To 31-03-2000



Educational qualification



Ph.D	<i>Faculty of Science and Humanities Anna University, Chennai</i>		2013 – 2019
M.P hil.	Inorganic Coordination chemistry , VOC College Tuticorin , M.S University , Tirunelveli	1 st Class	2000-2002
M.Sc	Physical Chemistry – First Class <i>Annamalai University, Chidambaram</i>	1 st Class	1995 – 1997
B.Sc.	Chemistry – First Class <i>Sri Sarada College for Women , Tirunelveli M.S University , Tirunelveli</i>	1 st Class	1992 – 1995



Administrative Responsibilities

- *Head of the Department*
- *AICTE Co-ordinator*
- *Red Ribbon club Co-ordinator*
- *Class Advisor/ Co-ordinator*
- *Anti Ragging Committee Member*
- *Discipline committee member*



Publication of Books and Patents



Book Title : Environmental Science and Engineering <i>Publisher : ARUMA PUBLICATIONS</i> <i>ISBN. : 97881-907821-4-4</i>	17-06-2008
Book Title : Engineering Chemistry <i>Publisher : ARUMA PUBLICATIONS</i> <i>ISBN. : 97881-907821-6-9</i>	17-09-2008
E-Chapter(e-book) : Recent Developments in Computing, Electronics and Mechanical Sciences <i>E-Chapter name: Development of Nano Composite Based Hybrid Electro catalysts Material for Energy Generation in Fuel Cell Application</i>	19-06-2020
<i>Publisher: ANVI Books and Publisher , Delhi</i> <i>ISBN. : 978-81-941281-9-9</i>	
Editor of the Book :Contemporary Research in Engineering and Management (CREM - 2021) <i>Publisher :</i> <i>ISBN. :</i> <i>Under progress , will be Published in July , 2021</i>	



International and National Conferences

- a. *ThamilMagal, R &Selvaraj, V 2016, 'Performance of poly(aniline-co-fluoroaniline) wrapped CNT Nanocomposites as anode catalyst for fuel cell application', International conference on nanomaterials and molecular research (ICNMR 2016), St.Joseph's college of Arts and Science, Cuddalore, Tamil nadu, India.*
- b. *ThamilMagal, R &Selvaraj, V 2016, 'Electro catalytic oxidation of ethanol on mono and bimetallic metal nanoparticle decorated modified -carbon nanotube wrapped novel conductive copolymer composite for fuel cell application', International conference on Advanced Materials SCICON'16, AmirtaVishwaVidyapeetham University, Coimbatore, Tamilnadu, India.*
- c. *ThamilMagal, R &Selvaraj, V 2016, 'Development of Conductive polymer-ZnO nanocomposites for dual application of Super capacitor in energy storage device', National conference on Research Advances in Engineering materials and Chemical Sciences, University College of Engineering Villupuram, Villupuram, Tamil nadu, India.*
- d. *ThamilMagal, R &Selvaraj, V 2016, 'Synthesis and Characterization of metal decorated conductive copolymer-CNT composite electro catalyst for fuel cell application', National conference on Research Advances in Material Science and Application (RAMSA'16), Bharathidasan Institute of Technology Anna University, Tiruchirappalli, Tamilnadu, India*
- e. *ThamilMagal, R &Selvaraj, V 2017, 'Design and fabrication of single stack fuel cell using silver nanoparticles Doped poly(cyclotriphosphozene-co-4,4'hexa fluoroisopropylinene)dianiline,' National conference on Advances in Chemical Sciences and Technology, KCG College of Technology, Karapakkam, Chennai, Tamilnadu, India.*
- f. *ThamilMagal, R &Selvaraj, V 2017, 'Surface modification and characterization of grapheme oxide – polymer nano composites coated on Pt-Ag2O material for fuel cell application', Second National conference on Materials Science and its future prospects,(NCMSFP 2017), University College of Engineering Villupuram, Villupuram, Tamil nadu, India.*
- g. *ThamilMagal, R &Selvaraj, V 2018, 'A Practical Approach in Electrooxidation of Glycerol to the Development of a Glycerol Fuel Cell in alkaline medium for energy generation', International National Conference,University College of Engineering Villupuram, Villupuram, Tamil nadu, India.*
- h. *ThamilMagal, R &Selvaraj, V 2020, 'Development of Conductive polymer- nanocomposites in a Glycerol Fuel Cell in alkaline medium for energy generation and energy storage device, International National Conference, Arul Anandar College(Auonomous) Karumathur, Madurai Dt, Tamil nadu.*

Publication in International journal

- a. *Selvaraj, V &ThamilMagal, R, 2018, 'Development of rice straw black liquor based porous carbon-poly(aniline-co-methoxy aniline) as supporting for electrochemical performances of alcohol oxidations', Ionics, Springer-Verlag Gmbh Germany, <https://doi.org/10.1007/s11581-018-2488-4>, Springer-Verlag Gmbh Germany Part of Springer Nature 2018, Impact Factor: 2.894.*
- b. *ThamilMagal, R &Selvaraj, V 2017, 'A comparative study for the electrocatalytic oxidation of alcohol on Pt-Au nanoparticles supported copolymer-grafted-graphene oxide composite for fuel cell application', Ionics, Springer, pp. 11-12, (Annexure I). Impact Factor : 2.062.*
- c. *Selvaraj, V, ThamilMagal, R &Prasanna, D 2016, 'Development of platinum and platinum-tin deposited nitrogen doped novel copolymer carbon nanotube composite electrocatalyst for alcohol oxidation fuelcells', Materials Research Innovations, vol. 21, pp. 222-231, (Annexure I). Impact Factor: 0.884.*



Refresher course/FDP attended

- a. **Faculty training programme(2012) on Advanced Technology in teaching skills and Research Organized by BETA technologies India Pvt Ltd Coimbatore,from 18.5.2012 to 31.5.2012.**
- b. **FDP Programme (2013),on CY2111 " ENGINEERING CHEMISTRY I " organized by CEG , ANNA UNIVERSITY, CHENNAI SPONSORED BY CFDP during 11/07/2013 to 18/07/2013 (8 Days)**
- c. **FDP Programme (2013), " RECENT ADVANCE AND DEVELOPMENT IN CHEMISTRY, RADIC 13 " organized by TEQIP II,BIT CAMPUS,TIRUCHI during 28/11/2013 to 04/12/2013 (7 Days)**
- d. **Short Term Course (2014), " TEACHING AND LEARNING TECHNIQUES IN HIGHER EDUCATION " organized by UGC -ASC,UNIVERSITY OF MADRAS during 21/07/2014 TO 26/07/2014 (6 Days)**
- e. **FDP Programme (2015), " ENGINEERING CHEMISTRY II " organized by UCET, TINDIVANAM, funded by CFDP, AUC during 30.11.2015 TO 6.12.2015 (7 Days)**
- f. **FDP Programme (2016), " MULTI-DISCIPLINARY APPROACHES IN CHEMICAL SCIENCES (MACS' 16) " organized by TEQIP II,BIT CAMPUS,TIRUCHI,during18.07.2016 to 31.07.2016(14 Days –two week)**
- g. **AICTE Approved two week Programme (2017), " NANO TECHNOLOGY FOR ENERGY AND AGRICUTURAL SECTOR " organized by IFETCET, VILLUPURAM, during 13.11.17 TO 26.11.17 (14 Days –two week)**
- h. **Refresher course (2018), " knowledge management inter and multidisciplinary Prospective"- " organized by AU LIBERY, AU CHENNAI,during 2.2.18 to 23.2.18 (21 Days –Three week)**
- i. **AICTE sponsored two week FDP Programme (2019), on"Challenges& Opportunities in Biomaterials Research" organized by V.R.S College of Engineering and Technology, Arasur,Villupuram from 26.11.2019 to 09.12.2019 (14 Days –two week)**
- j. **Three Week Industrial Training on "Basic Science and Communication" from 08-06-2020 to 26-06-2020 at BSNL Cuddalore organised by RAJIV GANDHI MEMORIAL TELECOM TRAINING CENTRE.**
- k. **One week FDP on "Innovation in Teaching Methodologies" (ITM-2020) organised by Department of Chemistry , School of advance sciences , Kalasalingam academy of Research and Education ,during May 21 to 27 , 2020.**
- l. **One week FDP on "Moodle Learning Management System" organised by Centre for Virtual Learning ,Dr.N.G.P Arts and Science college , Coimbatore , from 04-05-2020 to 10-05-2020.**
- m. **20 days Internship Training in virtual summer school on "Nanoscience and Nanomaterials" from 10-07-2020 to 30-07-2020 organised by National Center for Nanoscience and Nanotechnology,University of Madras, Chennai.**
- n. **Three Week FDP on "Managing online classes and co creating Moocs 3.0, from 2-07-2020 to 10-08-2020 organised by Teaching Learning Center, Ramanujam College, University of Delhi.**
- o. **Eight weeks online course NPTEL course on "Solar Photovoltaic's Fundamentals, Technology and Application sep to Nov 2020**
- p. **Online Refreshser Course in Chemistry for Higher Education ,conducted by SWAYAM,ARPIT**

q. 12 weeks online course completed in Analytical Chemistry NPTEL, July oct 2019

Short Term Course /Seminar / Workshop

- a. *Work shop (2013), " PHOTOCATALYSIS FOR SUSTAINABILITY " organized by BIT CAMPUS TIRUCHIRAPALLI during 9/10/2013 (1 Day)*
- b. *Short Term Course (2014), " CARBON NANO TUBE " organized by NIT, TIRUCHI during 6.11.14 & 7.11.14 (2 Days)*
- c. *Work shop (2016), " "Ches Green 16 " Chemistry for sustainable green environment " organized by BIT CAMPUS TIRUCHIRAPALLI during 11/03/2016 and 12.03.2016 (2 Days)*
- d. *National workshop (2016), " recent advances in Engineering materials and chemical science " organized by BIT CAMPUS TIRUCHIRAPALLI during 26.2.16 (1 Day)*
- e. *One day webinar(21. 05.2020) on How to Convert project into Patent organized by IIC cell, University College of Engineering Villupuram, Villupuram, Tamil nadu, India.*
- f. *One day webinar(06. 06.2020) on Preparing ourselves to meet post COVID Academic Challenges, organized by Geethanjali Institute of Technology AP*



Address for Communication

Dr.R . THAMIL MAGAL , M.Sc , M.Phil , Ph.D
*Assistant Professor of Chemistry
Department of Science and Humanities,
University College of Engineering Panruti,
Panruti – 607 106. Cuddalore District,
Tamil Nadu.*

Email: gthk251206012@gmail.com

Mobile: +91 9788856117