

RESUME

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Objective:

- ❖ To deliver the importance of Chemistry through applications
- ❖ To inspire students to love learning science

Experience:

- ❖ 16 years (Teaching & Research)

- Assistant Professor in Chemistry, Thiruthangal Nadar College, Chennai from June 2017 – till date
- Junior Research Fellow in UGC Sponsored Major Research Project & Full time Ph.D in Department of Chemistry, The New College, Chennai, from May 2011 to May 2017.
- Lecturer in Chemistry at Central Institute of Plastics Engineering & Technology, (CIPET), Chennai, from August 2009 to April 2011.
- Lecturer in Chemistry at SRM-Easwari Engineering College, Chennai, from June 2008 to July 2009.
- Lecturer in Chemistry at The New College, Chennai, from August 2004 to May 2008.

Education:

- ❖ Ph.D [Chemistry] Department of Chemistry, **The New College, Chennai**, under the guidance of Dr. A. Kalilur Rahiman.
- ❖ M.Phil. [Chemistry] from **Bharathidasan University, Trichirapalli**, (March 2007), with 71.20 % .]
- ❖ M.Sc. [Applied Chemistry] from **National Institute of Technology Trichirapalli**, (June 2004), with 6.82 CGPA.
- ❖ B.Sc. [Chemistry] from **A.V.C. College (Autonomous), Mayiladuthurai**, (April 2002), with 76.31 %.

Technical Skills:

- ❖ Experience in handling UV-Vis Spectrometer, Infrared spectrometer & Cyclic Voltammeter

Publications

- 1) **'Dinuclear phenoxo-bridged " end-off " complexes containing a piperazine that shows chemical nuclease and cytotoxic activities'**, C. Karthick , P. Gurumoorthy , M.A. Imran Musthafa, Rachita Lakra, Purna Sai korrapati and A. Kalilur Rahiman, **Journal of Coordination Chemistry, Vol. 67, p 1794 – 1808 (2014)**
[Impact factor : 2.212]
- 2) **'Mononuclear zinc(II) complexes of 2-((2-(piperazin-1-yl)ethylimino)methyl)-4-substituted phenols: Synthesis, structural characterization, DNA binding and cheminuclease activities'**, J. Ravichandran, P. Gurumoorthy, C. Karthick and A. Kalilur Rahiman, **Journal of Molecular Structure, Vol. 1062, p 147–157 (2014)**
[Impact factor : 1.599]
- 3) **'Antioxidant, DNA interaction, molecular docking and cytotoxic studies of aminoethylpiperazine containing macrocyclic binuclear copper(II) complexes'**
C. Karthick, K. Karthikeyan, Purna Sai Korrapati, A. Kalilur Rahiman
Applied Organometallic Chemistry (2016) DOI: 10.1002/aoc.3669.
[Impact factor : 2.452]

Conferences:

- Attended an 'International conference on Advances in New Materials' [ICAN-2014] organized by Department of Inorganic Chemistry, University of Madras, Chennai (June 2014)
- Attended and presented a paper in 'International conference on Biological Inorganic Chemistry' [ICBIC-2013] organized by Department of Chemistry, Periyar University, Salem (February 2013)

Courses / Workshop:

- Attended an “Orientation Course” for College Teachers conducted by UGC-Academic Staff College, Madras University (23-5-2006 to 18-6-2006).

Achievements

Co-Curricular Activities:

- Active member in Organizing Committee of “New Chemlinks - 2006, A National level Seminar in Eco, Sono and Nano Chemistry” at The New College, Chennai, in December 2006.
- Active member in Organizing Committee of “Chemlinks - 2005, A State level Seminar in Recent Trends in Chemistry” at The New College, Chennai, in January 2006.
- Active member in Organizing Committee of “Horizon - Dept. Technical Symposium” at NIT, in October 2002 and September 2003.
- Participated and Won First Prize in “Quiz Competition” in Chemistry at Jamal Mohamed College, Trichirapalli, in March 2003.
- Participated and Won First Prize in “Chemistry in Theatre” in Synthesis 2003, Technical Symposium at Anna University, in February 2003.
- Participated in Seminar on “Recent Applications of Electrochemistry” at A.V.C. College, Mayiladuthurai, in October 2001.
- Participated in Seminar on “Recent Trends in Industrial Chemistry” at A.V.C. College in September 1999.

Extra Curricular Activities:

- Served as N.S.S. Member for two years in A.V.C. College, Mayiladuthurai.
- Editorial Member in Ilanthodu - Student Magazine of A.V.C. College, Mayiladuthurai.
- Served as Active President in “Interact Club (School Wing of Rotary Club)” during July 1997 - June 1998.