

Name : Dr. T.K.Ganesan
Designation : Associate Prof. and Head (PG)
Department : Chemistry
Date of Joining : 19 - 07 - 1985
Phone No : 0452 2530070
Email : ganchand@yahoo.com



Educational Qualification: M.Sc., PGDCA, Ph.D.,

Degree	Subject	College / Uuniversity & Place	Year Completed
B.Sc	Chemistry	Saraswathi Narayanan College, Madurai	1983
M.Sc	Chemistry	The American College, Madurai	1985
PGDCA	Comp. Science	The American College, Madurai	1987
Ph.D.	Chemistry	Madurai Kamaraj University, Madurai	1999

Specialisation in Teaching:

1. Quantum chemistry
2. Group Theory (application to Chemistry)
3. Thermodynamics and Statistical Thermodyamics
4. Molecular spectroscopy.
5. Electrochemistry
6. Photochemistry
7. Polymer Chemistry

Specialisation in Research: Physical organic chemistry

Research Interests:

1. Physical organic chemistry (kinetics)
2. Nano materials
3. Adsorption studies for metal / dye removal

Administrative /Academic Position/s (held / currently holding):

Positions held / currently holding	Year - From (month/year) To month/year)
UG Head (Chemistry dept.)	2007-2009
PG Head(Chemistry dept.)	2009- till date
Dean of Academic Advising	2011 - till date

Membership in Professional Bodies:

Member Board of Studies in

1. Thiagarajar College, Madurai
2. Sourashtra College, Madurai
3. Saraswathi Narayanan College, Madurai
4. ANJA College, Sivakasi
5. HKR College, Uthamapalyam.
6. Jeyaraj Annapackiam College, Periyakulam
7. SFR College, Sivakasi (MKU university representative).

Publications:**Books:**

1. MKU - DDE - M.Sc., Chemistry II year study material - One unit. (photochemistry, Radiation Chemistry and Statistical Thermodynamics).
2. MKU - DDE - M.Phil Chemistry - Study material. (i) Course work 1 - One unit (Advanced concept in molecular spectroscopy) and (ii) Course Work 2 - One unit . (advanced concept in NMR spectroscopy).

Articles Published in International Journals:

1. 1.Ganesan, T.K., Bharathy, J.R.B., Sheriff, A.I.Md., Rajagopal, S., *Indian J. Chem.*, 1995, 34A, 522.
2. Homogeneous Catalysis in the Cr(V) Oxidation of Organic Sulfides, JR. Bosco Bharathy, T.K. Ganesan, A.I.Md.Sheriff, and S. Rajagopal, *Tetrahedron*, Vol. 53, 1131-1144, 1997.
3. Ganesan, T.K., Bharathy, J.R.B.,Sheriff, A.I.Md., Rajagopal, S., *J. Org. Chem.*, 1998, 63, 21.
4. Comparative Study of Chromium(V) and Chromium(VI) Oxidation of Dialkyl Sulfides, *Tetrahedron*, 2000, 56, 5885.
5. Micellar effect on the electron transfer reaction of chromium(V) ion with organic sulfides, *Tetrahedron*, 2005, 61, 4679 - 4687.

Conference / Seminar Presentations:

1. New Trends in polymer science and electrochemistry, Saraswathi Naryananan College, Madurai, 4-2-1995.
2. Young Scientists Fellowship Scheme Monitoring Workshop, 20 and 21 December 1999, Anna University, Chennai.
3. National Seminar on Advances in electron transfer processes, July 15 and 16, 1999, MKU.
4. National Conference on current trends in chemistry, March 20 - 22, 1998, Annamalai University, Chidambaram.
5. Sophistication in Scientific Instrumentation, 13 - 16 March, 1998, IITM Chennai.
6. UNESCO Regional Training Programme In Environmental Chemistry, IITM, Chennai, 7 - 21, December, 2001.
7. The Eight International Conference on Correlation Analysis in Chemistry, January 10 - 14, 1999, CLRI, Chennai.
8. Workshop on Medicinal Plants - perspectives, prospects and Challenges, 20 and 21st December 2003, Gandhigram Rural Institute, Gandhigram.
9. Emerging Trends in Chemistry, CPA College, Bodinayakanur, 23 and 24, September, 2010.
10. All Seminars organized by the Department of chemistry, The American College from 1985 to till date.
11. SAEST and CECRI Karaikudi, National Workshop on Principles and Practice of Advanced NMR Spectroscopy, December, 11 - 14, 2006.

Lectures / Talks given:

1. SN college, Madurai- Unimolecular kinetics - 2007.
2. KLNCIT - Science day celebration - 2008.
3. KLNCE - Batteries and Fuel cells - 2012.
4. SFR College, Sivakasi, Carbon Nano Tues, 2013.

Awards / Fellowships:

1. TNSCST - Young Scientist Fellowship, 23.04.1997 to 22.07.1997. Work with Prof. Ashoka, G. Samuelson, Department of Inorganic and Physical Chemistry, Indian Institute, Bangalore.

The name of the student and the title of the Ph.D Thesis

Ongoing:

Name of the student	Title of the thesis
1. M.R.K. Hemalatha	Structural effects on the oxidation of organic Substrates by metal complex.
2. G.J. Deeparani	Removal of heavy metals from their aqueous Solutions through adsorption using low Cost adsorbents.
3. P. Mohandoss	Adsorption of dyes on low-cost green adsorbents; equilibrium, kinetics and Thermodynamic studies.
4. M. Syed Meera	Removal of metals from aqueous solutions By adsorption using low cost adsorbents.
5. S.V. Ganesan	Studies on composte solid polymer blend electrolytes
6. A. Shanmugan	Activated CO ₂ on catalytic surfaces

Other activities / information / academic credentials you would like to mention:

Member Boards of study in the following colleges

1. ANJA College, Sivakasi - 2005 -2007, 2009 - 2011and 2012 - 2014.
2. SN College, Madurai - 2007-2009, 2009 - 2011 and 2013-2015.
3. Jayaraj Annapackiam College for Women, Periyakulam, 2013 - 2015.
4. Thiyagarajar College, Madurai - 2014 - 2016.
5. Sourashtra College, Madurai - 2011 - 2013.
6. SFR College, Sivakasi, 2014 - 2016. (MKU university Representative)