

PROFILE



Name : **DR. MRS. M. KALANITHI**
Designation : Associate Professor
Department : Chemistry
Date of Birth : 23.05.1968
Date of appointment : 17.08.1992

CONTACT DETAILS

Present Address : 3-1-14, Jei Illam,
Oppo. To E.B, Mullai Nager,
P.C. Patty, Theni-625531 Tamil Nadu

Permanent Address : 3-1-14, Jei Illam,
Oppo. To E.B, Mullai Nager,
P.C. Patty, Theni-625531 Tamil Nadu

Telephone No : 04546 265979

Mobile : 09488177617

Email : kalacharle@gmail.com

ACADEMIC

S. No.	Degree	University / Institution	Year of Completion
1.	B.Sc.	Fatima College, Madurai	1988
2.	M.Sc.	St.Joseph's College, Trichy	1990
3.	M.Phil.	St. Joseph's College, Trichy	1991
4.	B.Ed.	Madurai Kamaraj University	1992
5.	PGDCA	Jayaraj Annapackiam College For Women, Periyakulam	1995
6.	Ph.D.	Madurai Kamaraj University	2013

Total Experience : UG : 21 years , PG : 3 years

Area of Specialization/Interest : Coordination chemistry and Spectral techniques

Member in Other Bodies : Reviewer for Inorganic Chemistry Communications and European Journal of Chemistry

RESEARCH EXPERIENCE

International Publications:

1. Dr. Sr. Y. Yesu Thangam, **M. Kalanithi**, C. Mary Anbarasi, S. Rajendran Inhibition of corrosion of carbon steel in dam water by sodium molybdate - Zn^{2+} system, The Arabian Journal for Science and Engineering, 34, 2009 ,2C41-60.
2. **M. Kalanithi**, M. Rajarajan, P. Tharmaraj, Synthesis, Spectral and biological studies of transition metal chelates of N-[1-(3-aminopropyl)imidazole]-salicyaldimine, Journal of Coordination Chemistry, 64, 2011, 842-850.
3. **M. Kalanithi**, M. Rajarajan, P. Tharmaraj, Spectral, biological screening, and DNA studies of metal chelates of 4-[N,N-bis-(3,5-dimethyl-pyrazolyl-1-methyl)]aminoantipyrine, Journal of Coordination Chemistry, 64, 2011, 1436-1445.
4. **M. Kalanithi**, M. Kodimunthiri, M. Rajarajan, P. Tharmaraj, Synthesis, characterization and biological activity of some new VO(IV), Co(II), Ni(II), Cu(II) and Zn(II) complexes of chromone based NNO Schiff base derived from 2-aminothiazole, Spectrochim. Acta Part A, Molecular and Biomolecular spectroscopy, 82, 2011, 290-298.
5. **M. Kalanithi**, M. Rajarajan, P. Tharmaraj, C.D. Sheela, Spectral, biological screening of metal chelates of chalcone based Schiff bases of N-(3-aminopropyl) imidazole, Spectrochim. Acta Part A, Molecular and Biomolecular spectroscopy, 87, 2012, 155-162

Presentations (Last Five Years):

- Synergistic Effect of Sodium Molybdate- Zn^{2+} system on the corrosion Inhibition of Mild Steel in Sothuparai Dam Water, UGC,DRDO & CSIR sponsored National Seminar on Emerging Trends in Chemistry on 25th July 2008, C.P.A. College, Bodinayakkanir.3
- Inhibition of Corrosion of carbon steel in Sothuparai Dam water by Sodium Molybdate- Zn^{2+} system, National Seminar on “Recent Trends in Physics on 23rd & 24th March 2009, Jayaraj Annapackiam College
- Synthesis and spectroscopic characterization of metal complexes of novel Schiff base, UGC Sponsored National Conference on Recent Trends in Chemistry (RTC-4) on 18th & 19th February 2010, Jayaraj Annapackiam College for Women, (Autonomous), Periyakulam.
- Synthesis and spectral studies on Transition metal complexes of Salicyaldimino -1-Propyl imidazole, National Conference on Recent advances on Electroanalytical Techniques on 25th & 26th February 2010 , Gandhigram Rural University, Gandhigram.
- Studies on transition metal complexes of 2-(2E,6E)-1-(4-(1H-imidazol-1yl)butylimino)3-phenylallyl phenol, UGC,CSIR & DST sponsored National Seminar on Emerging Trends in Chemistry, 23rd & 24th September 2010, C.P.A. College, Bodinayakkanur.

- Studies of metal complexes of chalcones, UGC sponsored National Seminar on Recent Trends in Chemistry on 15th & 16th March 2012, H.K.R.H. College, Uthamapalayam.
- Studies of metal complexes of 2-[N,N-bis-(3,5-dimethyl-pyrazolyl-1-methyl)]aminothiazole, UGC,CSIR,DST & TNSCST sponsored National Seminar on Emerging Trends in Chemistry on 4th & 5th October 2012, C.P.A. College, Bodinayakkanur.
- Spectral, NLO, fluorescence and biological screening of metal chelates of chalcone based Schiff bases of N-(3-aminopropyl) imidazole, CSIR sponsored National Seminar on Advanced Materials on 5th & 6th February 2013, Jayaraj Annapackiam College for Women, (Autonomous), Periyakulam.

Served as Research Person:

- Served as judge for competition “Veetkku oru vingnani” organized by Puthiya Thalaimurai Media .
- Delivered a talk on Environmental issues in today’s context in the seminar on Environmental Education organized by JAC-ECO club, Jayaraj Annapackiam College for women.

PROJECTS UNDERTAKEN - 1

Minor Research Project : Corrosion Inhibition by Oxyanions

Period : From 1-2-2007 to 28-2-2009