List of Publications


Papers Published in collobaration


Synthesis, Spectral characterizacion and Biological evaluation of new binuclear metal(II) complexes of ONNO chelating Tetradentate Schiff base derived from 3, 3'-dihydroxybenzidine
International / National Conference / Workshop Attended

1. National seminar on “Enzymes and Biocatalysts, The Versatile Actors: Current Trends and Future Perspectives” held on 05 & 06 January 2012 at Department of Biochemistry, Periyar university, Salem-11.

2. National seminar on “Recent Trends in Chemistry” held on 20th March 2012 at Department of Chemistry, Periyar University, Salem-11.


4. Workshop of “Applications of Radioisotopes in Chemical sciences (ARCS-2012)” held on 28 September 2012, in Department of Chemistry, Periyar University, Salem.

5. International workshop on “Crystal Growth and characterization of advanced materials and devices (IWCGCMD)” held on 16-19 December 2012 at Crystal Growth center, Anna University, Chennai.

6. Workshop on “Scientific Applications of powder XRD (SAPX 2013)” held on 4th February 2013 at Center for Instrumentation and Maintenance facility (CIMF), Periyar University, Salem.

7. National Seminar on “Current Trends in Biology and Bionanotechnology (CTBBN-2013)” held on 11 March 2013 at Department of Biotechnology & Botany, Periyar University, Salem.

8. Seminar on “Trends in Protein Engineering” held on November 21st, 2013 at Department of Zoology, Periyar University, Salem.
Paper Presentations in International/ National Conferences


4. E.Akila, M.Usharani and R.Rajavel, Designing, structural elucidation, Antibacterial and Antioxidant activity of Binuclear mtal Complexes containing tetradentate, in National seminar on Biotechnological Intervention in plant and microbial Interaction for crop sustainability held on Jan 30th and 31st 2013, organized by Department of Biotechnology, Periyar University, Salem.


Organometallic Compounds (FCBOM-2013), held on 20-21 June 2013 organized by Department of Chemistry, M. S. Ramaiah Institute of Technology, Bangalore.


17. M. Usharani, E. Akila and R. Rajavel, Determination of Spectroscopic, DNA Cleavage and Antibacterial Assay of Binuclear Schiff base Co(II) and Mn(II) Complexes, in National seminar on Biotechnological Intervention in plant and microbial Interaction for crop sustainability held on Jan 30th and 31st 2013, organized by Department of Biotechnology, Periyar University, Salem.

18. M. Usharani, E. Akila, P. Jayaseelan and R. Rajavel, Structural elucidation and biological evaluation of newly synthesized potentially active Binuclear Schiff base Cu(II), Ni(II), Co(II) and Mn(II) complexes, in International Conference on Biological Inorganic Chemistry-(ICBIC-2013) held on 20-22 Feb 2013, organized by Department of Chemistry, Periyar University, Salem.


22. M. Usharani, E. Akila, R. Ashokan, P. Jayaseelan, and R. Rajavel, Coordination of binucleating Schiff base with Cu(II), Co(II), Ni(II) and Mn(II) ions; designing, structural aspects and Pharmacological properties, International Conference on Advanced Material, Processing and devices (AMPD-2013) held on 15-16 July 2013, organized by Department of Material Science, School of Chemistry, Madurai Kamaraj University, Madurai.


