

List of Paper Publications in Journals

1. DNA, In vitro antimicrobial/anticancer activities and biocidal based statistical analysis of Schiff base metal complexes derived from salicylalidene 4-imino-antipyrine and 2-aminothiazole, **A.Palanimurugan** and A.Kulandaisamy*, **Elsevier - Journal of Organometallic Chemistry**, 860 (2018) 1-12.
2. Synthesis, characterization, antimicrobial and anticancer activities of 14-membered fully conjugated macrocyclic Schiff base metal complexes, **A.Palanimurugan** and A.Kulandaisamy*, **Asian Journal of Chemistry**, 30 (4) (2018). **(In Press)**.
3. Biological screening studies of DNA relate metal complexes from Benzalidene-4-imino-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one and 2-aminothiazole, **A.Palanimurugan** and A.Kulandaisamy*, **Asian Journal of Chemistry**, 30(3) (2018) 594-602.
4. Enhanced Antibacterial effect using carbohydrates biotemplate of ZnO nano thin films, A.Dhanalakshmi, **A.Palanimurugan** and B.Natarajan*, **Elsevier - Carbohydrate Polymers**, 168 (2017) 191-200.
5. Structural, morphological, optical and antibacterial activity of rod-shaped zinc oxide and manganese-doped zinc oxide nanoparticles, A.Dhanalakshmi, B.Natarajan*, V.Ramadas, **A.Palanimurugan** and S.Thanikaikarasan, **Indian Academy of Sciences - Pramana Journal of Physics**, 87: 57 (2016) 1-9.
6. Synthesis, spectral, redox and antimicrobial activities of mixed ligand complexes derived from 1-phenyl-2,3-dimethyl-4-iminobenzylidene pyrazol-5-one and dimethylglyoxime, **A.Palanimurugan**, V.Sudharkani and

- A.Kulandaisamy*, **Journal of Nanoscience and Technology**, 2(5) (2016) 204-208.
7. Studies on Schiff base transition metal complexes derived from benzil, *p*-nitroaniline and 2,2'-bipyridyl, A.Kulandaisamy* and **A.Palanimurugan**, **Journal of Chemical and Pharmaceutical Research**, 7(10S) (2015) 111-119.
 8. DNA interaction and In vitro microbial studies of some first row transition metal complexes from Salicylidene-4-imino-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one and Histidine, **A. Palanimurugan**, P. Selvapandian and A. Kulandaisamy*, **Springer - Journal of Fluorescence**, (2018) - Communicated.

List of Papers published in Proceedings of book

1. Synthesis, spectral, redox and antimicrobial activities of mixed ligand complexes derived from Acetylaceto-phenyl analine and dimethyl glyoxime, A.Kulandaisamy*, S.Marimuthu and **A.Palanimurugan**, Frontier Areas in Chemical Technologies, 214-222, 2017.
2. Synthesis, Structural characterization, Electrochemical and biological behavior of some transition metal complexes, A.Kulandaisamy*, S.Marimuthu and **A.Palanimurugan**, Frontier Areas in Chemical Technologies, 141-142, 2017.
3. Synthesis, spectral, redox and antimicrobial activities of mixed ligand complexes derived from salicylidene-4-iminoantipyrinyl-2-iminophenol, A.Kulandaisamy*, S.Marimuthu and **A.Palanimurugan**, Frontier Areas in Chemical Technologies, 142-143, 2017.
4. Designing, structural, redox and biological investigation of some transition metal complexes derived from 2,6-dibenzylidene-diiminopyridine and dimethylglyoxime, A.Kulandaisamy*, K.Ranjitham and **A.Palanimurugan**, Recent Developments in the Applications of Transition Metal Complexes in Bioinorganic and Medicinal Chemistry, 1-9, 2017.
5. Synthesis, redox and antimicrobial activity studies on transition metal complexes derived from benzyl, phenyl alanine and dimethyl glyoxime, A.Kulandaisamy*, A.Karthigaiselvi and **A.Palanimurugan**, Recent Developments in the Applications of Transition Metal Complexes in Bioinorganic and Medicinal Chemistry, 39-45, 2017.
6. Synthesis, characterization and biological screening effect of some mixed-ligand transition metal complexes, A.Kulandaisamy*, S.Marimuthu and **A.Palanimurugan**, Recent Developments in the Applications of Transition

Metal Complexes in Bioinorganic and Medicinal Chemistry, 70-78, 2017.

7. DNA interaction and In vitro microbial studies of some first row transition metal complexes from Salicylidene-4-imino-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one and Histidine, **A.Palanimurugan**, P.Selvapandian and A.Kulandaisamy*, Modern Trends in Chemistry, 28, 2018.
8. Synthesis, characterization, antimicrobial and anticancer activities of 14-membered fully conjugated macrocyclic Schiff base metal complexes, **A.Palanimurugan** and A.Kulandaisamy*, Modern Trends in Chemistry, 97, 2018.
9. Biological screening studies of DNA relate metal complexes from Benzalidene-4-iminoantipyrine and 2-aminothiazole, **A.Palanimurugan** and A.Kulandaisamy*, Frontier Areas in Chemical Technologies, 2018.

List of Paper Presented in Conferences/Seminars/Work shop

1. International conference on Modern Trends in Chemistry (23rd February 2018) at Vivekananda College, Tiruvedakam, Madurai.
2. National Conference on 'Recent Developments in the Applications of Transition metal complexes in Bioinorganic and Medicinal chemistry' RATMCBMC-2017 (14 & 15th July 2017) at VHNSN College, Virudhunagar.
3. International conference on Frontier Areas in Chemical Technologies (6, 7 & 8th July 2017) at Alagappa University, Karaikudi.
4. National Seminar on Frontier Areas in Chemical Sciences (22 & 23th June 2017) at VHNSN College, Virudhunagar.
5. National science academies lecture workshop on Emerging Trends in Material Science (3 & 4th January 2017) at Raja Doraisingam Govt. Arts College, Sivagangai.
6. National Seminar on 'Role of nuclear energy for sustainable future development and environmental safety' (5th February 2016) at Raja Doraisingam Govt. Arts College, Sivagangai.
7. National Conference of paper entitled 'Synthesis, spectral, redox and antimicrobial activities of mixed ligand complexes derived from 1-phenyl-2,3-dimethyl-4-iminobenzylidene pyrazol-5-one and dimethylglyoxime' - National Conference on Advanced Materials and their Applications, NCAMA-2016 (21 & 22nd January 2016) at V. O. Chidambaram College, Tuticorin.
8. National Conference of paper entitled 'Studies on Schiff base transition metal complexes derived from benzil, *p*-nitroaniline and 2, 2'-bipyridyl' - National

conference on ‘Recent Development of Bio-Inorganic Chemistry in Medicinal fields’ RDBICM-2015 (28 & 29th August 2015) at Mohamed Sathak Engineering College, Kilakarai, Ramnad.

9. National seminar on Frontier Areas in Chemical Technologies (22 and 23rd March 2018) registered at Department of Industrial Chemistry, Alagappa University, Karaikudi.