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 List of Publications :



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#### TITLE

1. Luminescence quenching of tris(4,4'-dimethyl-2,2'-bipyridyl)ruthenium(II) complex with quinones in aprotic polar medium, **T.Sumitha Celin**, G. Allen Gnana Raj, Indian Journal of Chemistry, Volume **59A**, Year **2020**, Pages **923-928**
2. Micellar Effect on Photoinduced Electron Transfer Reactions of Ruthenium(II)Polypyridyl Complexes with Quinones:Effect of CTAB,**T.Sumitha Celin**, G. Allen Gnana Raj,Open Journal of Inorganic Chemistry, **2019**, 9, 1-10.
3. Binding of tris(4,4'-dimethoxy-2,2'-bipyridyl)ruthenium(II) Cation with Quinones in 50% Aqueous Acetonitrile,**T.Sumitha Celin**, G.Allen Gnana Raj, J.Adv.Chem.Sci,**2019**,5(1),609-611.
4. Effect of Oxygen on Photoinduced Electron Transfer Reactions of Ru(II) Polypyridyl Complex with Quinones in 50% Aqueous Acetonitrile and Aqueous Medium,**T.Sumitha Celin**, G. Allen Gnana Raj, Int. J. Res. Chem. Environ, 2019 ,9(1) ,11-15.
5. Binding Studies of Ruthenium(II) Polypyridyl Complexes with Quinones in Triton X-100 , **T.Sumitha Celin**, G. Allen Gnana Raj, Chemical Science Transactions, **2018**,7(4),703-707.
6. Binding of Ruthenium (II) Polypyridyl Complexes with Quinones in DMF,**T.Sumitha Celin**, G.Allen Gnana Raj, International Journal of Chemical and Physical Sciences, **2018**, 7(4), 23-27.
7. Binding Studies of Ruthenium (II) Polypyridyl Complex with Quinones in Aprotic Polar Medium, **T.Sumitha Celin**, G. Allen Gnana Raj, International Journal of Innovative Research in Science, Engineering and Technology, **2017**, 6(3), 1478-1483.
8. Micellar Effect on the Photoinduced Electron Transfer Reactions of Ruthenium (II)-Polypyridyl Complexes with Quinones, **T. Sumitha Celin**, G. Allen Gnana Raj, Journal of Chemical and Material Research, **2017**, 6 ((2,3)), 31-36.
9. Spectrophotometric Characterization of Ruthenium (II)-Polypyridyl Complexes with para Quinones in aqueous medium, **T.Sumitha Celin**, G. Allen Gnana Raj, International Journal of Advanced Research, **2017**, 5 (2), 843-847.

10. Inclusion complexation of 2-aminopyrimidines with  $\beta$ -cyclodextrin, physico-chemical and nuclear magnetic spectroscopic studies, *Materials Science-Poland*, **T.Sumitha Celin**, S.Nagarajan **2014**, 32(1), pp. 39-44.
11. Luminescent Quenching studies of tris(2,2'-bipyridyl)Ruthenium (II) cation with Quinones in aprotic polar medium, **T.Sumitha Celin**, G. Allen Gnana Raj, *Crossian Resonance*, Year **2019**, Pages 112-120.
12. Luminescent Quenching studies of tris(2,2'-bipyridyl)Ruthenium (II)cation with Quinones in aprotic polar medium, **T.Sumitha Celin**, G. Allen Gnana Raj, National Seminar on Innovative Trends in Chemistry (CHEM-ITC-2019) at Holy Cross College(Autonomous), Year **2019**, Pages 34
13. Inhibition of corrosion using Nannari Root extract, Sornam, **T.Sumitha Celin**, National Seminar on Modern Trends in Chemical Sciences, Scott Christian College(Autonomous),Nagercoil , Year 2019, Pages 22
14. Effect of a cyclodextrin on 4-nitro benzoic acid and 3,5-dinitro benzoic acid , R.Rajamenakha, **T.Sumitha Celin**, Abstracts, International Conference on Innovative Research in Chemical Sciences[ICIRCS-2K19], Year **2019**, Pages 45
15. Determination of Iodine content in salt pans of Southern districts of Tamilnadu, B.Ranitha, **T.Sumitha Celin**, Abstracts, International Conference on Innovative Research in Chemical Sciences[ICIRCS-2K19], Year **2019**, Pages 45
16. Solvent effect on the photoinduced electron transfer reactions of tris(4,4'-di-tert-butyl-2,2'-bipyridine) Ruthenium(II)cations with Quinones, **T.Sumitha Celin**, G. Allen Gnana Raj, Abstracts, International Conference on Innovative Research in Chemical Sciences[ICIRCS-2K19], Year **2019**, Pages 51
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18. Effect of SDS on the luminescence quenching of tris(2,2'-bipyridine)Ruthenium(II) cation with p-Quinones, **T.Sumitha Celin**, G. Allen Gnana Raj, Two day National Conference on Materials in Sustainable Chemistry(NCMSC'19) at Sadakkathullah Appa College, Tirunelveli, Year **2019**,Page 19
19. A study on the binding interaction of  $[Ru(bpy)_3]^{2+}$  complex with quinones in neutral micellar medium, **T.Sumitha Celin**, G. Allen Gnana Raj, Souvenir, International conference on Advanced Materials and their Application (ICAMA-2018),VOCCollege,Thoothukudi, Year **2018**, Page 89
20. A comparative study on role of oxygen on photoinduced electron transfer reaction of Ru(II)polypyridyl complexes with quinones **T.Sumitha Celin**, G. Allen Gnana Raj, Proceedings of the ninth All India Conference of Scott Research Forum (SRF)-**2017**,Year 2017.
21. Luminescent quenching of tris(2,2'-bipyridyl)ruthenium(II) complex with substituted quinones in acetonitrile, **T.Sumitha Celin**, G. Allen Gnana Raj,National Conference in Advanced Materials and their Application, Year **2016**, Page 44
22. Solvent effect on the photoinduced electron transfer reactions of Ruthenium polypyridyl complexes, **T.Sumitha Celin**, G. Allen Gnana Raj, Book of Proceedings, National conference on Recent trends in Chemistry -2016, Scott Christian College(Autonomous),Nagercoil, Year **2016**, Page 22