

List of Publications

- 1) **K. S. Shaju**, K. Joby Thomas, Vinod. P. Raphael, “*Effect of Iodide on the Corrosion Inhibitive Behaviour on Carbon steel by an Azomethine Compound Derived from Anthracene-9(10 H)-one*”, ***Oriental Journal of Chemistry***, 30-2 (2014), 807-813.
- 2) **K. S. Shaju**, K. Joby Thomas, Vinod P. Raphael, Aby Paul “*Electrochemical and Surface Morphological Studies of Carbon Steel Corrosion by a Novel Polynuclear Schiff Base in HCl Solution*” ***ISRN Electrochemistry***, (2013) dx.doi.org/10.1155/2013/820548
- 3) **K. S. Shaju**, K. Joby Thomas, Vinod. P. Raphael, Aby Paul, “*Synergistic Effect of KI on Corrosion Inhibition of Mild Steel by Polynuclear Schiff Base in Sulphuric Acid*”, ***ISRN Corrosion***, (2012) doi:10.5402/2012/425878
- 4) Nimmy Kuriakose, Joby Thomas K, Vinod P Raphael, **Shaju K S**, “*Electrochemical Impedance Spectroscopy and Potentiodynamic Polarization Analysis on Anticorrosive Activity of Thiophene-2-Carbaldehyde Derivative in Acid Medium*” ***Indian Journal of Materials Science***, (2014) dx.doi.org/10.1155/2014/124065.
- 5) Vinod. P. Raphael, K. Joby Thomas, **K. S. Shaju**, Aby Paul, “*Study of Synergistic Effect of Iodide on the Corrosion Antagonistic Behaviour of a Heterocyclic Phenylhydrazone in Sulphuric Acid Medium on Carbon Steel*” ***ISRN Corrosion***, (2013) doi.org/10.1155/2013/390823.
- 6) Vinod. P. Raphael, K. Joby Thomas, **K. S. Shaju**, Aby Paul, “*Corrosion Inhibition Investigations of 3- Acetylpyridine Semicarbazone on Carbon Steel in Hydrochloric Acid medium*”, ***Research on Chemical Intermediates***, (2012) doi:10.1007/s11164-013-1122-31)
- 7) Aby Paul, Joby Thomas K, Vinod. P. Raphael, **K. S. Shaju**, “*Electrochemical and Gravimetric Corrosion Inhibition Investigations of a Heterocyclic Schiff Base Derived from 3- Formylindole*”, ***IOSR Journal of Applied Chemistry***, 1-6 (2012) 17
- 8) Aby Paul, K. Joby Thomas, Vinod. P. Raphael, **K. S. Shaju**, “*Chelating Efficacy and Corrosion Inhibition Capacity of Schiff Base Derived from 3-formylindole*”, ***Oriental Journal of Chemistry***, 28-3 (2012) 1501
- 9) Aby Paul, Joby Thomas K, Vinod. P. Raphael, **K. S. Shaju**, “*3-Formylindole 4-aminobenzoic Acid: a Potential Corrosion Inhibitor for Mild Steel and Copper in Hydrochloric Acid Media*”, ***ISRN Corrosion***, (2012) doi:10.5402/2012/842836.
- 10) Joby Thomas K, Vinod P Raphael, Nimmy Kuriakose, **Shaju K S**, “*Spectroscopic And Corrosion Inhibition Investigations on Schiff Bases Derived from Aromatic Amino Sulphonic Acids*”, ***ISST Journal of Applied Chemistry***, 3-2 (2012).

Conference Papers

- 11) **Shaju K. S**, Joby Thomas K, Vinod P Raphael, Aby Paul, “*Electrochemical Study and Temperature Effect on Carbon Steel Corrosion by a Novel Polynuclear Schiff Base in HCl Solution*”, Proceedings of International Corrosion Prevention Symposium(CORSYM-2014), held at IIT Bombay on February 20-21, 2014, p. 114
- 12) **Shaju K S**, Joby Thomas K, Vinod P Raphael, Nimmy Kuriakose, “*Corrosion Inhibition on Carbon Steel by Schiff Base Derived from 2-Amino -3 Phenyl Propanoic Acid and it's Synergistic Effect with Iodide*”; Proceedings of International Conference on Advances in Material Science (ICAMS 2013) held at Sree Sankara College, Kalady, Kerala, 23-24, October 2013, p.136
- 13) **Shaju K. S**, Joby Thomas K, Vinod P Raphael, Aby Paul, “*Inhibition of Carbon Steel Corrosion by A Novel Polynuclear Schiff Base in HCl Solution*”, Proceedings of International Corrosion Prevention Symposium(CORSYM-2013), held at Chennai on February 28 – March 02, 2013, p.13
- 14) Vinod P Raphael, Joby Thomas K, **Shaju K. S**, Aby Paul, “*Electrochemical Investigations on Heterocyclic Hydrazones on Copper in Nitric Acid*”, Proceedings of International Corrosion Prevention Symposium (CORSYM- 2014), held at IIT Bombay on February 20-21, 2014, p. 117
- 15) Aby Paul, Joby Thomas K, Sini Varghese C, Vinod P Raphael, **Shaju K. S**, “*Electrochemical Corrosion Investigations on a Heterocyclic Schiff base on Mild Steel in 1M HCl*”, Proceedings of UGC Sponsored National Seminar on ‘Frontiers in Green Chemistry’, held in St. Mary’s College, Thrissur on 24 - 25 July 2014
- 16) Vinod P Raphael, Joby Thomas K, **Shaju K. S**, Nimmy Kurialose, “*Corrosion Inhibition Investigations of 3-Acetylpyridine Thiosemicarbazone on Carbon Steel in Hydrochloric Acid Medium*”, Proceedings of International Corrosion Prevention Symposium(CORSYM-2013), held at Chennai on February 28 – March 02, 2013, p.16
- 17) Aby Paul, K. Joby Thomas, Vinod P Raphael, **K. S. Shaju**, “*Protection of Mild Steel With a Schiff Base Derived from 3-Formylindole in 1.0 M HCl*” Proceedings of International Corrosion Prevention Symposium(CORSYM-2014), held at IIT Bombay on February 20-21, 2014, p. 109
- 18) Aby Paul, Joby Thomas K, Vinod P Raphael and **Shaju K.S**, “*Structural Evaluation and Thermoanalytical Investigations of Mn(II) and Cu(II) Chelates of a Novel Heterocyclic Schiff Base Derived from 3-Formylindole*”, Proceedings of International Conference on Advances in Material Science (ICAMS 2013), held at Sree Sankara College, Kalady, Kerala, 23-24, October 2013, p.147

- 19) K. Joby Thomas, Vinod P Raphael, Aby Paul, K. P. Mary, **K. S. Shaju**, “*Structural Evaluation of Schiff Base Derived from 4-Hydroxy-3-Methoxy Benzaldehyde and its Transition Metal Chelates*”, Proceedings of 22nd Kerala Science Congress held at Kerala Forest Research Institute, Peechi, 28-31 January 2010, p. 903
- 20) Joby Thomas K, Vinod P Raphael, **K. S. Shaju**, Mary K P, Aby Paul, “*Physicochemical Studies on Co(II), Ni(II) and Cd(II) Complexes of Schiff Base, Vanillin Anthranilic Acid*”, Proceedings of 19th Swadesi Science Congress held in Kerala Agricultural University, Mannuthy on 10-12 December 2009, p. 21
- 21) Joby Thomas K, Vinod P Raphael, **Shaju K S**, Aby Paul, Vidya T K, “*Structural Evaluation and Corrosion Inhibition Studies of a Phenylhydrazone and its Complexes Derived from Furan-2-carboxaldehyde*”, Proceedings of the UGC sponsored National Seminar on ‘Green Strategies in Organic Synthesis’, held in Sree Neelakanta Govt. Sanskrit College, Pattambi on 3 - 4 November 2011, p 55
- 22) Joby Thomas K, **Shaju K S**, Vinod P Raphael, Aby Paul, Mary K P, “*Physico-chemical and Antimicrobial Studies on Copper Complexes of Schiff bases Derived from 4-Hydroxy-3-methoxybenzaldehyde*”, Proceedings of UGC Sponsored National Seminar on ‘Emerging Trends in Biopharmaceuticals’, held in St. Mary’s College, Thrissur on 26 - 27 August 2011, p 39
- 23) Joby Thomas K, Aji C V, Vinod P Raphael, **Shaju K S**, Aby Paul, “*Structural Investigation on 4-Hydroxy-3-methoxybenzylidene-2-amino Benzoic Acid and its Fe(III) and Al(III) Complexes*”, Proceedings of the 10th National Seminar on ‘Recent Trends and the Sequels in Chemistry’(RTSE 2011), held in Sacred Heart College, Thevara, Kochi on 7 - 8 December 2011, p 31