
List of Publications

LIST OF PUBLICATIONS AND CONFERENCES

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[1] **Parul Dohare**, KR Ansari, MA Quraishi, IB Obot “Pyranpyrazole derivatives as novel corrosion inhibitors for mild steel useful for industrial pickling process: Experimental and Quantum Chemical study,” *Journal of Industrial and Engineering Chemistry* 52, 197-210

[2] A Singh, KR Ansari, J Haque, **P Dohare**, H Lgaz, R Salghi, MA Quraishi, “Effect of electron donating functional groups on corrosion inhibition of mild steel in hydrochloric acid: Experimental and quantum chemical study,” *Journal of the Taiwan Institute of Chemical Engineers* 82, 233-251

[3] **Parul Dohare**, **D. S. Chauhan**, **M.A. Quraishi**, “Expired Podocip drug as potential corrosion inhibitor for carbon steel in acid chloride solution1,” *Int. J. Corros. Scale Inhib.*, 2018, 7, no. 1, 25–37

[4] **Parul Dohare**, DS Chauhan, B Hammouti, MA Quraishi, “Experimental and DFT Investigation on the Corrosion Inhibition Behavior of Expired Drug Lumerax on Mild Steel in Hydrochloric Acid,” *Anal. Bioanal. Electrochem.*, Vol. 9, No. 6, 2017, 762-783

[5] **Parul Dohare**, MA Quraishi, IB Obot, “A combined electrochemical and theoretical study of pyridine-based Schiff bases as novel corrosion inhibitors for mild steel in hydrochloric acid medium,” *Journal of Chemical Sciences*, **ACCEPTED**

[6] **Parul Dohare**, DS Chauhan, AA Sorour, MA Quraishi, “DFT and experimental studies on the inhibition potentials of expired Tramadol drug on mild steel corrosion in hydrochloric acid,” *Materials Discovery*, **ACCEPTED**.

[7] **Parul Dohare**, M.A.Quraishi, H. Lgaz, R.Salghi, “Substituted Imidazoles as novel corrosion inhibitors for MS: Experimental, DFT and MD simulations study,” *portugaliae electrochimica acta*, **ACCEPTED**.

[8] **Parul Dohare**, M.A.Quraishi, H. Lgaz, R.Salghi “Ultrasound induced green synthesis of pyrazolo-pyridines as novel corrosion inhibitors useful for industrial pickling process: Experimental and theoretical approach,” *Result in physics*. **Communicated**

LIST OF CONFERENCES

[1] Ethyl 6-amino-4-(4-methoxyphenyl)-3-methyl-2,4-dihydropyrano[2,3-c]pyrazole-5-carboxylate (EPPs) as an environmentally corrosion inhibitor for mild steel in 1M hydrochloric, **Corrosion Conference & Expo 2015 (Oral)**.

[2] Adsorption behaviour of new imidazoles derivative as on carbon steel corrosion in 1 M HCl: a combined experimental and theoretical approach, **Corrosion Conference & Expo 2016 (Oral)**.

[3] Combined Experimental and Theoretical approach of Liquid Phase Interaction and Corrosion Inhibition Properties of Pyrazol-pyridinephenol on Mild Steel in Hydrochloric Acid, **Corrosion Conference & Expo 2017 (Oral)**.

[4] Expired Lumerax-40 drug as a Corrosion Inhibitor for Mild Steel in Hydrochloric Acid Solution, **ICMFA - 2015 (Poster)**.

[5] New imidazole derivative as an efficient organic inhibitor on mild steel corrosion in acidic medium: Electrochemical, Surface study, **RAAS-2016 (Poster)**.