**ABSTRACT**

Novel Quinoxaline derivatives have been synthesised and evaluated as corrosion inhibitors for mild steel in 1Msulphuric acid by weight loss, gasometry and electrochemical techniques. Results obtained showed that they are efficient corrosion inhibitors. Tafel polarisation studies revealed that the quinoxalines were mixed type inhibitors but slightly cathodic in nature. The adsorption of all the quinoxalines on the mild steel surface from the acid solution has been found to obey Langmuir adsorption isotherm. Addition of halide ions synergistically enhanced the inhibition of the quinoxalines.