

Inhibition of corrosion of mild steel in hydrochloric acid by bambusa arundinacea

Abstract:

The inhibitive property of green plant inhibitor (Bambusa Arundinacea) on the corrosion of mild steel strip in 1M HCl were studied using weight loss technique. Inhibition efficiency of 72.84% at 10% v/v of extract concentration for 72 hours exposed time for Bambusa arundinacea was achieved. Adsorption of the inhibitor molecules on mild steel strip surfaces was consistent with Langmuir adsorption isotherm.