

Electronic Supplementary Information

Chemically modified biopolymer as an eco-friendly corrosion inhibitor for mild steel in neutral chloride environment.

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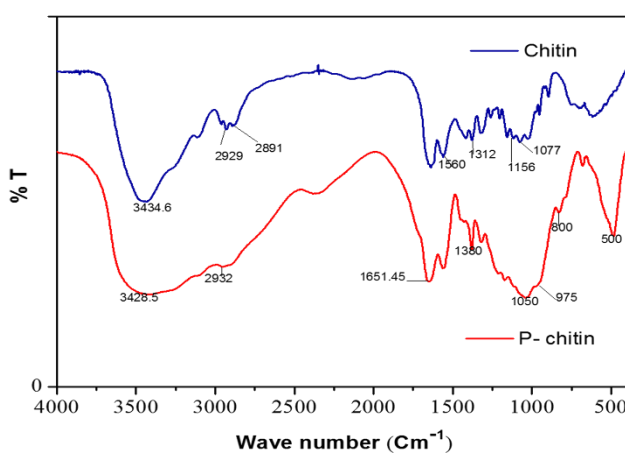


Figure S1. FTIR spectra of chitin (CTN) and Phosphorylated chitin (PCT)

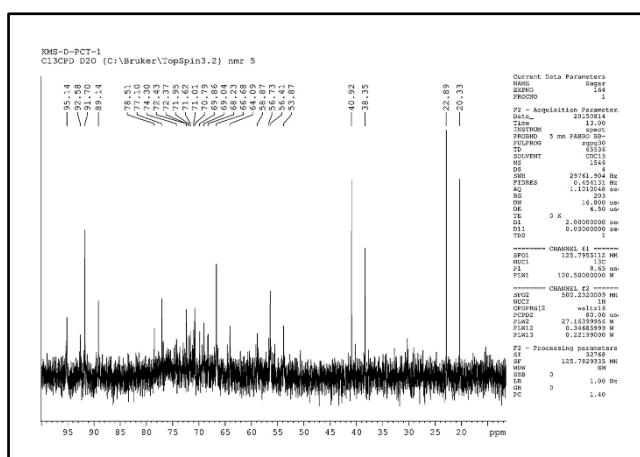


Figure S2. ¹³C- NMR spectrum of Phosphorylated chitin (P-CTN).

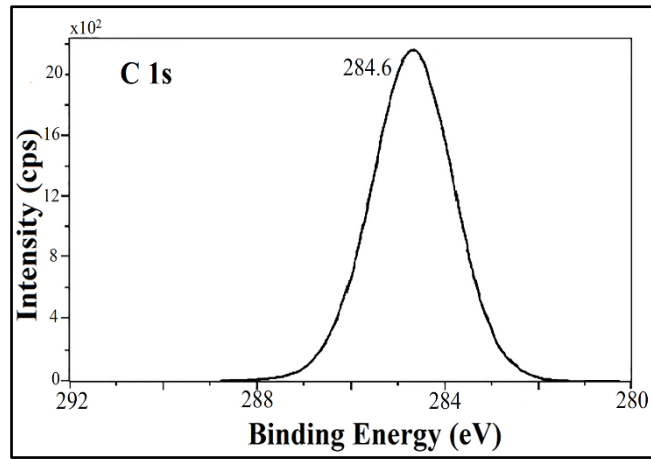


Figure S3: XPS deconvolution spectrum of C 1s for mild steels sample immersed in control.

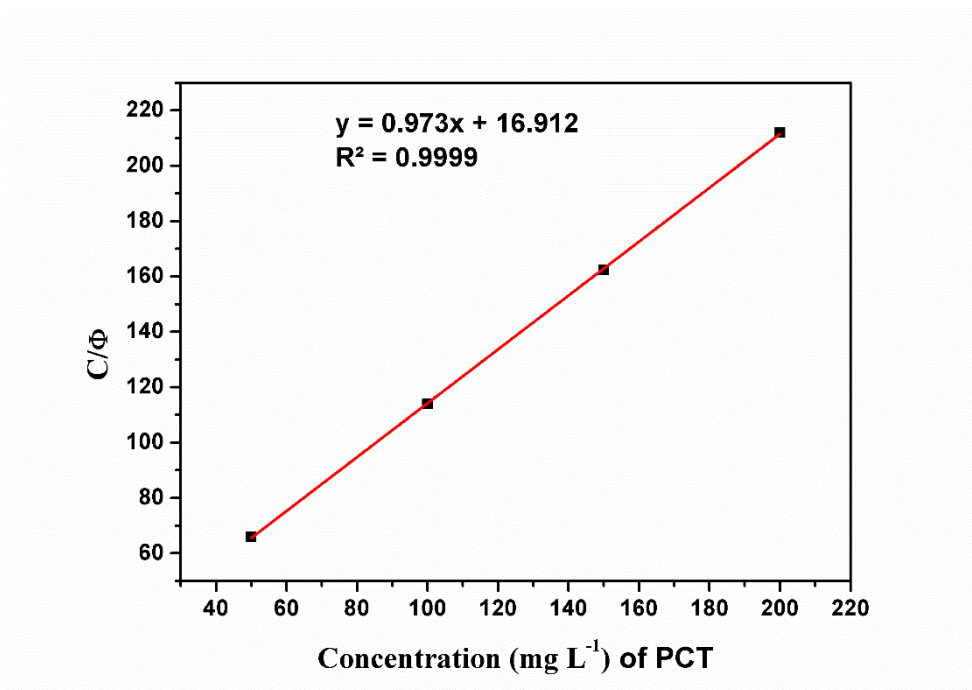


Figure S4: Langmuir Adsorption Isotherm