

Accepted Manuscript

Non-toxic Schiff bases as efficient corrosion inhibitors for mild steel in 1M HCl: Electrochemical, AFM, FE-SEM and theoretical studies

Dharmendra Kumar Singh, Eno E. Ebenso, Mantu Kr. Singh, Debasis Behera, G. Udayabhanu, Rohith P. John



PII: S0167-7322(17)33155-0
DOI: doi:[10.1016/j.molliq.2017.11.132](https://doi.org/10.1016/j.molliq.2017.11.132)
Reference: MOLLIQ 8248
To appear in: *Journal of Molecular Liquids*
Received date: 14 July 2017
Revised date: 11 November 2017
Accepted date: 22 November 2017

Please cite this article as: Dharmendra Kumar Singh, Eno E. Ebenso, Mantu Kr. Singh, Debasis Behera, G. Udayabhanu, Rohith P. John , Non-toxic Schiff bases as efficient corrosion inhibitors for mild steel in 1M HCl: Electrochemical, AFM, FE-SEM and theoretical studies. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Molliq(2017), doi:[10.1016/j.molliq.2017.11.132](https://doi.org/10.1016/j.molliq.2017.11.132)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Non-toxic Schiff bases as efficient corrosion inhibitors for mild steel in 1 M HCl: Electrochemical, AFM, FE-SEM and theoretical studies

Authors:-Dharmendra Kumar Singh^{a,*}, Eno E. Ebenso^b, Mantu Kr. Singh^c, Debasis Behera^d, G. Udayabhanu^c, Rohith P. John^c.

^{a,*} Corresponding author.

Tel: +91 9835335240.

E- mail: dksslnt@gmail.com, dkpkrm@gmail.com.

Department of Chemistry, P. K. Roy Memorial College, Dhanbad, 826004, India.

^b Material Science Innovation and Modelling (MaSIM) Research Focus Area, Faculty of Agriculture, Science and Technology, North-West University (Mafikeng Campus) Private Bag X2046, Mmabatho 2735, South Africa

^c Department of Applied Chemistry, Indian School of Mines, Dhanbad, 826004, India.

^d Department of Chemistry, Manipal University, Jaipur-303007, India.

Download English Version:

<https://daneshyari.com/en/article/7843274>

Download Persian Version:

<https://daneshyari.com/article/7843274>

[Daneshyari.com](https://daneshyari.com)