### **Accepted Manuscript**

Synthesis and investigation of pyran derivatives as acidizing corrosion inhibitors for N80 steel in hydrochloric acid: Theoretical and experimental approaches

Ambrish Singh, K.R. Ansari, M.A. Quraishi, Hassane Lgaz, Yuanhua Lin

PII: S0925-8388(18)31955-8

DOI: 10.1016/j.jallcom.2018.05.236

Reference: JALCOM 46212

To appear in: Journal of Alloys and Compounds

Received Date: 20 March 2018
Revised Date: 14 May 2018
Accepted Date: 20 May 2018

Please cite this article as: A. Singh, K.R. Ansari, M.A. Quraishi, H. Lgaz, Y. Lin, Synthesis and investigation of pyran derivatives as acidizing corrosion inhibitors for N80 steel in hydrochloric acid: Theoretical and experimental approaches, *Journal of Alloys and Compounds* (2018), doi: 10.1016/i.jallcom.2018.05.236.

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.



#### ACCEPTED MANUSCRIPT

# Synthesis and investigation of pyran derivatives as acidizing corrosion inhibitors for N80 steel in hydrochloric acid: Theoretical and experimental approaches

Ambrish Singh<sup>1,2\*</sup>, K. R. Ansari<sup>3</sup>, M. A. Quraishi<sup>3</sup>, Hassane Lgaz<sup>4</sup>, Yuanhua Lin<sup>1,2\*</sup>

<sup>1</sup>School of Materials Science and Engineering, Southwest Petroleum University, Chengdu-610500, Sichuan, China.

<sup>2</sup> State Key Laboratory of Oil and Gas Reservoir Geology and Exploitation, Southwest Petroleum University, Chengdu, Sichuan 610500, China.

<sup>3</sup>Centre of Research Excellence in Corrosion, Research Institute, King Fahd University of Petroleum and Minerals,

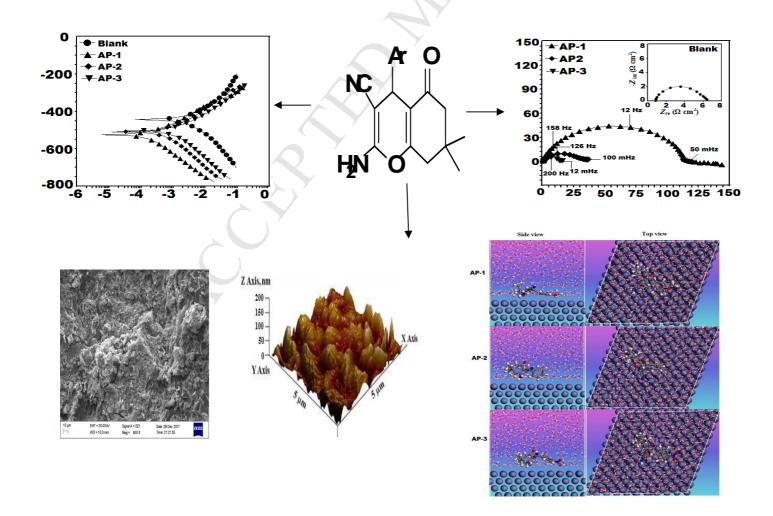
Dhahran 31261, Saudi Arabia

<sup>4</sup>Department of Applied Bioscience, College of Life & Environment Science, Konkuk University, 120 Neungdongro, Gwangjin-gu, Seoul 05029, South Korea

#### \*Corresponding author

E-mail: vishisingh4uall@gmail.com; yhlin28@163.com

Ph.No.: +86-18384155035;+86-13908085550



#### Download English Version:

## https://daneshyari.com/en/article/7991024

Download Persian Version:

https://daneshyari.com/article/7991024

<u>Daneshyari.com</u>