


 Cite this: *RSC Adv.*, 2024, 14, 10088

Expression of concern: Effectiveness of some novel heterocyclic compounds as corrosion inhibitors for carbon steel in 1 M HCl using practical and theoretical methods

 Abd El-Aziz S. Fouda,^a Samir A. Abd el-Maksoud,^b Elsherbiny H. El-Sayed,^b Hazem A. Elbaz^{*bc} and Ashraf S. Abousalem^{ad}

 DOI: 10.1039/d4ra90027h
rsc.li/rsc-advances

 Expression of concern for 'Effectiveness of some novel heterocyclic compounds as corrosion inhibitors for carbon steel in 1 M HCl using practical and theoretical methods' by Abd El-Aziz S. Fouda *et al.*, *RSC Adv.*, 2021, 11, 19294–19309, <https://doi.org/10.1039/D1RA03083C>.

The Royal Society of Chemistry is publishing this expression of concern in order to alert readers that concerns have been raised regarding the reliability of the AFM images in Fig. 10a and b and the IR spectra in Fig. 11 and 13. An investigation is underway, and an expression of concern will continue to be associated with the article until a final outcome is reached.

Laura Fisher
 19th March 2024
 Executive Editor, *RSC Advances*

^aChemistry Department, Faculty of Science, Mansoura University, Egypt. E-mail: asfouda@hotmail.com; Fax: +20 50 2202264; Tel: +20 50 2365730

^bChemistry Department, Faculty of Science, Port Said University, Egypt

^cEgyptian Natural Gas Company (GASCO), Egypt. E-mail: hazem_elbazz@gasco.com

^dQuality Control Laboratory, Operations Department, JOTUN, Egypt

