

# Review of: "Use of the experimental designs as an approach to optimize the inhibition efficiency of a Pyridazine derivative against corrosion of steel in an acidic medium"

Bokai Liao<sup>1</sup>

<sup>1</sup> Guangzhou University

Potential competing interests: No potential competing interests to declare.

1. The surface of working electrode should be corrected as 1 cm<sup>2</sup> in page 3.
2. Some spelling errors should be corrected, like 'potentiodynamic polarization studies...' should be corrected as 'Potentialdynamic....', etc.
3. Equation for E% calculation should be corrected as '×100%'.
4. 'While increasing the temperature had a negative effect on the inhibition efficiency', this conclusion is not suitable for all corrosion inhibitors.
5. Some relevant new work need to be added, like:

(1) Liao, B., Luo, Z., Wan, S., & Chen, L. (2023). Insight into the anti-corrosion performance of *Acanthopanax senticosus* leaf extract as eco-friendly corrosion inhibitor for carbon steel in acidic medium. *Journal of Industrial and Engineering Chemistry*, 117, 238-246.

(2) Wan, S., Wei, H., Quan, R., Luo, Z., Wang, H., Liao, B., & Guo, X. (2022). Soybean extract firstly used as a green corrosion inhibitor with high efficacy and yield for carbon steel in acidic medium. *Industrial Crops and Products*, 187, 115354.

(3) Zhou, Z., Min, X., Wan, S., Liu, J., Liao, B., & Guo, X. (2023). A novel green corrosion inhibitor extracted from waste feverfew root for carbon steel in H<sub>2</sub>SO<sub>4</sub> solution. *Results in Engineering*, 100971.