

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"

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Potential competing interests: No potential competing interests to declare.

1.- Describe more details of the preparation of the working electrode as it would appear that the entire volumetric sample was in contact with the solution, or only an exposed area. Was encapsulated?

2.- It presents interesting results in terms of mathematical modeling in the behavior of this particular system. However, it is convenient to support the results in the modeling with physical tests, otherwise there is no clear evidence on the efficiency of the inhibitor with the different variables. If this study was done, it should be presented in the manuscript, at least the polarization curves.

3.- In the polarization range from -750mV to -100 mV, explain why only cathodic potentials (negative) were used, in this type of tests it is necessary to know the behavior of the inhibitor mainly in the anodic branch of the polarization curves.