

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.

The manuscript represents the report of the results of well-conducted research on corrosion inhibition of steel using the design of experiments. The following corrections should, however, be implemented in the manuscript.

- The optimal conditions (ascertained in the work) for maximum inhibition efficiency should be included in the abstract.
- In the third paragraph of the 'Introduction Section', line 9, which reads, 'Inhibitors are among the most used methods....', the word 'methods' should be replaced with the word 'materials.'
- The past simple tense in the passive form should be used in reporting the 'Materials and Methods' section.
- The equations should be numbered.
- There should be consistency in the placement of the table titles. This is because Table 1 has its title placed at its bottom while the rest of the tables had theirs placed at the top.
- Recent references (preferably 5 years old and less) should be included in the Reference Section. Most of the references cited are too old.

The manuscript can be published after all corrections have been made.