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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Title:

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

Optimization of the inhibitory performance of a DMC, 6-methyl-4.5 dihydropyridazin-3(2H)-one pyridazine derivative, against steel corrosion in 1M HCl solution. The paper is of certain significance, but I think that this work needs to be partially modified and supplemented so that the readers of the journal could get better and more information for future directions and some relevant questions should be answered.

- You must detail the abbreviation “DMC or MDP” in the introduction before reusing it.
- Why do the authors particularly develop 6-methyl-4.5 dihydropyridazin-3(2H)-one, in what way it contributes to the studies? It is necessary to develop the introduction and to enrich it with bibliographical references treating the inhibition of the corrosion of steel with inhibitors derived from pyridazine.
- In inhibitor synthesis part, the experimental part is very poor: lacks a lot of detail (the reactants quantity + the volume of solvent) and the nature of the treatment adopted.
- The characterization part needs more attention (add NMR)
- Update bibliographic references