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.

Minor Revision

Line Num.	Source	Modification needed
Abstract	In this manuscript, our aim was to optimize the inhibitory performance of a pyridazine derivative against steel corrosion	Change the key word
Experimental Domain	The results of the study showed that the inhibition of steel in an acid medium can indeed be influenced by the amount of inhibitor, temperature, and time of immersion of samples. The researchers conducted experiments by varying these three factors and observing the resulting inhibition efficiency.	Does this method work with thermometric method or only work with electrochemical method if so, apply it with any published paper until I can evaluate it?
Conclusion	The methodology employed allowed us to determine the best operating conditions to achieve maximum inhibition efficiency of MDP, making this inhibitor a strong candidate for practical applications in the prevention of corrosion in acidic environment	The main goal of this paper to reduce the number of test or optimize parameter affecting on inhibition. Simply before lab. Test or after lab. Test
Ref 12	Helmut C. Schulitz, Werner Sobek, Karl J. Habermann, Presses Polytechniques et Universitaires Romandes (PPUR), 2003	Use the same style of bibliography Abbrev. Name, Family Name, journal abbrev. Name, Pages , Volume, year
Ref 40	Y. Elkhotfi, I. Forsal, E.M.Rakib, B. Mernari. Evaluation of the inhibitor effect of new class triazole derivatives on the corrosion of ordinary steel in hydrochloric acid solution, Der Pharma Chimica 2016, 8(15), 160-170.	Delete reference paper name and use the same style
Notes for all ref.	Kamel, M. M., Rashwan, S. M., Mahmoud, M. A., El-Mekawy, S. A., Awad, M. K., & Ibrahim, H. E. (2022). Resorcinol Derivative as an Environmentally Friendly Low Carbon Steel Inhibitor in HCl Medium. *ACS omega*, 7(21), 17609-17619. Ahmed, Y. M., Ashmawy, A. M., Abbas, A. A., & Mohamed, G. G. Synthesis, Characterization, Antibacterial, Antioxidant Activities, DFT and MOE Studies of New organic metal Complexes and links to application of corrosion inhibitors. *Applied Organometallic Chemistry*, 2023.	You need to update Bibliography up to 40% with new references. This is an example of a new reference.
Ref.	Much enough ref. paper belongs to this authors F. Bentiss, S. Kertit	Replace the oldest ref.