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| Journal Name: | [**Asian Journal of Microbiology and Biotechnology**](https://www.ikprress.org/index.php/AJMAB) |
| Manuscript Number: | **Ms\_AJMAB\_13526** |
| Title of the Manuscript: | **ISOLATION AND IDENTIFICATION OF SULPHATE-REDUCING BACTERIA IMPLICATED IN MICROBIOLOGICALLY INFLUENCED CORROSION OF GALVANISED STEEL IN SEA WATER** |
| Type of the Article |  |

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| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **The importance of this manuscript for the scientific community appears in the fact that it demonstrates how sulphate-reducing bacteria (SRB) accelerate microbiologically influenced corrosion (MIC) of galvanized steel in marine environments. By establishing a link between microbial activity, physicochemical changes, and corrosion rates, the study provides valuable insight into the mechanisms of biofilm-mediated deterioration. The identification of Aeromonas and Mycobacterium as corrosion-associated microorganisms adds novelty, expanding current knowledge on MIC.** | Thank you for your comment |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **The title of the article is clear and suitable, but it is too long . I suggest the title “Novel Sulphate-Reducing Bacteria Implicated in the Corrosion of Galvanized Steel in Seawater”** | Yes, Thank you for your comment |
| **Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.** | **Yes, the abstract is comprehensive, but it is too long (it contain general details about corrosion). I have some suggestions for the authors to improve it:**   * **Condense the background section;** * **Add clearer quantitative results, instead of general statements like “reduced pH” or “higher corrosion rates,” include specific values or percentage changes to strengthen the impact of the findings.** | Thank you for your suggestions |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes, the manuscript is scientifically correct. But, minor improvements in methodological detail, cautious interpretation, and literature context will enhance scientific rigor.**  **Example : specifying how pH, weight loss, and corrosion rates were measured and how many replicates were used, would improve clarity.** | Yes, Thank you for your comment |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **The references address essential topics, including microbiologically influenced corrosion (MIC), sulfate-reducing bacteria (SRB), galvanized steel, biofilm formation, and corrosion mechanisms. They include both recent studies (2022–2024) and a mix of experimental research and reviews, offering relevant context.** | Thank you for your comment |
| **Is the language/English quality of the article suitable for scholarly communications?** | **The article’s English is generally clear but lacks the polish required for international journal. It needs some improvement.** | Thank you for your comment |
| **Optional/General** comments | **General comments :**   * **The English language requires significant editing for clarity, grammar, and consistency;** * **Some methods are described in excessive detail (for example: preparation of media), while other key experimental parameters (replicates, controls, statistical analysis) are not fully explained.** * **The results section mixes description and interpretation; separating these would improve readability.** * **Figures and tables need clearer formatting (rename list 1 to table 1).** * **Improve the discussion by connecting findings to broader implications in corrosion prevention.** | Thank you for your comment |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | Thank you for your comment |