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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.** | This manuscript highlights the pivotal role of sulfate-reducing bacteria in accelerating microbiologically influenced corrosion of galvanized steel in marine environments, thereby enhancing the scientific community’s understanding of biocorrosion mechanisms. The findings also contribute to the development of predictive models and practical preventive strategies, opening interdisciplinary research avenues in materials science, engineering, and microbiology | Thank you for your comment |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes** | Yes |
| **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** | Yes |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript appears to be scientifically correct, as the methodology is appropriate and the conclusions are generally supported by the results. | 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.** | Yes, The references used are adequate in number and cover the fundamentals related to microbiologically influenced corrosion (MIC), seawater corrosion, and biofilm mechanisms. | Thank you for your comment |
| **Is the language/English quality of the article suitable for scholarly communications?** | Yes, The English language is understood and clearly connects the scientific content | Thank you for your comment |
| **Optional/General** comments | The manuscript addresses an important topic with practical applications in the marine and food industries. The study is well-structured, and the results are clearly presented. Overall, the manuscript is scientifically sound and makes a valuable contribution to the research community | 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 |