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| Book Name: | [Chemical and Materials Sciences: Research Findings](https://www.bookpi.org/bookstore/product/chemical-and-materials-sciences-research-findings-vol-1/)  |
| Manuscript Number: | **Ms\_BPR\_4608** |
| Title of the Manuscript:  | **Study by Molecular Docking of the Interactions between Dihydroorotate Dehydrogenase and a Series of Inhibitors of Pyrrole Derivatives for the treatment of Malaria** |
| Type of the Article | **BOOK CHAPTER** |

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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 *(Please correct the manuscript and highlight that part in the manuscript. 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 represents a significant contribution to the scientific community, particularly in the field of antimalarial drug discovery. By employing molecular docking and QSAR modeling, the study provides valuable insights into the interactions between dihydroorotate dehydrogenase (DHODH) and pyrrole-derived inhibitors, which could lead to the development of novel and more effective treatments for malaria. Given the alarming rise of drug-resistant malaria strains, this research is of paramount importance in expanding the therapeutic arsenal against the disease. Furthermore, the generation of a 3D pharmacophore model enhances the predictive power of drug design strategies, making this study a valuable resource for medicinal chemists and researchers working on targeted drug development. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Yes, it is. |  |
| 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. | Areas for Improvement:Lack of Clear Objectives: The abstract does not explicitly state the primary research question or hypothesis.Unclear Results Summary: While it mentions the QSAR model and interaction analysis, it does not highlight specific inhibitors or provide clear biological implications of the results.Weak Conclusion: The practical impact of the study should be better articulated—how do these findings contribute to antimalarial drug design?Formatting Issues: Some equations or data points seem to be misplaced, making it harder to follow. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | Overall, the manuscript is scientifically correct but could benefit from: Better equation formattingMore detailed statistical discussionStronger discussion on experimental validation Improved methodological transparency |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | The manuscript cites a reasonable number of references covering molecular docking, QSAR modeling, and malaria research. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The manuscript generally maintains a formal and scholarly tone appropriate for scientific writing. |  |
| Optional/General comments |  |  |

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| **PART 2:**  |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. 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)* |  |

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| **Reviewer Details:** |
| Name: | **Jose Luis Abreu Quintero** |
| Department, University & Country | **Instituto de Estudios Superiores Spenta Mexico, Mexico** |