

Review Form 1.7

Journal Name:	Asian Journal of Chemical Sciences
Manuscript Number:	Ms_AJOCS_109885
Title of the Manuscript:	EFFECT OF THE ELECTRONIC STRUCTURE OF PARA-SUBSTITUTED BENZALDEHYDE BENZOHYDRAZONE ON ITS ANTIMICROBIAL ACTIVITY: A DFT ANALYSIS
Type of the Article	Original Research Article

PART 1: Review Comments

	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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>The manuscript explores the antimicrobial activity of para-substituted benzaldehyde benzohydrazone derivatives against Bacillus subtilis. The study employs a quantitative structure-activity relationship (QSAR) approach and the Klopman-Peradejordi-Gómez (KPG) method. Understanding the electronic structure's influence on antimicrobial activity is crucial, especially considering the potential applications in combating Bacillus subtilis-related illnesses. The research addresses a significant gap in knowledge and offers insights valuable to the scientific community.</p> <p>The manuscript is well-organized with clear subsections, including an introduction, model and methods, results and discussion, and conclusion</p> <p>The manuscript demonstrates scientific rigor, utilizing the DFT method, the KPG method, and QSAR analysis. The results are statistically significant, and the proposed pharmacophore adds value to the findings.</p> <p>The language and writing quality are generally suitable for scholarly communication. However, there are instances where sentences are long and complex, affecting readability. Consider breaking down some sentences for better clarity. Additionally, ensure consistent use of tense and refine sentence structures.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>		

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)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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Reviewer Details:

Name:	Waleed Mlook
Department, University & Country	Swedish Agriculture University, Sweden