

Review Form 1.7

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_103821
Title of the Manuscript:	In silico Molecular Docking study of Isatin and Acetophenone derivatives as Antimicrobial Agent
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalpri.com/index.php/JPRI/editorial-policy>)

Review Form 1.7

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)
Compulsory REVISION comments 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u>	<p>Title: In silico Molecular Docking study of Isatin and Acetophenone derivatives as Antimicrobial Agent</p> <p>Reviewer summary: This is an insilico modeling study of x-ray diffraction crystallography experimental data with analysis by software package with algorithm that considers the cubic interaction volumes for molecules comparison of close match R-groups of the proteins in the context of the three-dimensions of channels, receptors or proteins/enzymes to determine the highest/energetically favorable score(s) for molecular docking.</p> <p>Assessment: The study will need a table at the minimum in which the compounds discussed are shown with the statistical comparison data for the continuous scale scores generated and model thresholds; a figure with correlations to the measured values should be included, and could be by rank such as Wilcoxon (W.-R.). The variables of the model need to be known and included in methods; based on the original paper, it appears that there a certain coefficients applied per effective effect for nucleophilic atoms (i.e. Oxygen), and in the case of electrophilic charge effect of the basic or acidic atoms such as Nitrogen and Oxygen-containing carboxylates and level of substitution (J. Med. Chem. 2006, 49, 3315-3321).</p> <p>Overall: Once it is revised and the above comments are addressed, then the submission can be considered further.</p>	
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	n/a	
Optional/General comments	As noted above	

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

Reviewer Details:

Name:	Hemant Sarin
Department, University & Country	USA