Journal Name:	**Microbiology Research Journal International**
Manuscript Number:	**Ms_MRJI_114253**
Title of the Manuscript:	**Glycosylated Antibiotics: New Promising Bacterial Efflux Pumps Inhibitors**
Type of the Article	

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?** **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.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	It is very important as antimicrobial resistance is growing rapidly due to the overuse or misuse of antibiotics and hence preventive/ remedial strategy is needed & glycosylated antibiotics proposed in the manuscript is sound, scientific option, so needs recognition. Its innovative solution to emulate natural, herbal antibiotics used for millennia in traditional medicines globally. Yes the title is perfect. Yes, the abstract is good, covering all the important study dimensions. The manuscript structure is sound- sections & subsections. The manuscript is has high scientific standard. The references are sufficient. I have suggested 2-3 optional references for herbal options. A. Herbal antibiotics are used in traditional medicines globally for centuries and can be mentioned as described below. B. Kindly add the "threshold" binding energy to qualify as "antibiotic" as ref. 1 & Ref. 2 below proposed -7.0 Kcal/ mol as stringent but ref. 3 proposed -0.6 Kcal/ mol but is too dilute. Regarding table 2, inference needs to be all tested molecules qualify the threshold vide ref. 1,2. Regarding table 3, inference to add is- all qualify the threshold binding energy as drug wrt ArcB except "Chloramphenicol" (-6.1 Kcl/ mol), while only PAbN (-9.1) & Pyridopyrimidine (-9.6) qualify w.r.t. Mexa, not others. Ref. 1) Ivanova, L.; Karelson, M. 2022. The Impact of Software Used and the Type of Target Protein on Molecular Docking Accuracy. Molecules **2022**, 27, 9041. https://doi.org/10.3390/molecules27249041 Wong F. et al, Benchmarking AlphaFold-enabled molecular docking predictions for antibiotic discovery Molecular Systems Biology 18: e11081 | 2022 2) Tongtong Pan et al 2024. Fenofibrate inhibits MOXD1 and PDZK1IP1 expression and improves lipid deposition and inflammation in mice with alcoholic fatty liver, Life Sciences, , **336**, (122321). Doi: 10.1016/j.lfs.2023.122321.	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	The language is good.	
Optional/General comments	A few more references among the following may be added regarding herbal, traditional, natural medicines glycosylated antibiotics as below, besides reference no. 4- 1. Abdallah, E.M. et al, 2023. Back to Nature: Medicinal Plants as Promising Sources for Antibacterial Drugs in the Post-Antibiotic Era. *Plants. 12*, 3077 (alkaloids, saponins, and terpenoids).	

	2. https://doi.org/10.32388/3G4GP7.3 3. 4. Raimundo e Silva et al, 2020. A glycosylated β-Sitosterol, isolated from Tacinga inamoena (Cactaceae), enhances the antibacterial activity of conventional antibiotics, 5.	

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)*	

Reviewer Details:

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