

# Review of: "Inhibiting Efflux Pumps and Resistance Mechanisms: A Mini Review"

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**Potential competing interests:** No potential competing interests to declare.

The manuscript entitled "**Inhibiting Efflux Pumps and Resistance Mechanisms: A Mini Review**" by Abusaiba and co-authors discussed the efflux pump roles in antibiotic resistance and strategies to inhibit their activity. The review article is poorly written and needs to be significantly improved to make it appealing and beneficial for future readers. The manuscript has several flaws regarding the rationale, representation, and organization of data. Still, I would like to give the authors a chance to thoroughly revise the manuscript and recommend a major revision. Here are my suggestions to enhance the quality of the manuscript:-

1. After reading the manuscript, it seems clear that the authors have read and clubbed information without any organization and provided their own feedback for the study.
2. The manuscript lacks a rationale for the study.
3. For a broad picture, authors should initiate the study with diseases related to the pathogenesis of microorganisms having efflux pumps.
4. Afterwards, authors should insight into a few other drug targets associated with drug resistance mechanisms like methicillin resistance in *S. aureus*, etc. for different pathogens. The following articles discussed the methicillin resistance mechanism in *S. aureus* focused on drug target:-  
(<https://doi.org/10.1016/j.jmb.2019.06.019>; <https://doi.org/10.1021/acs.jcim.2c00057>)
5. Authors should organize data in a tabular format.
6. There is no graphical representation in the manuscript. Authors should incorporate a graphical representation to highlight the importance of drug resistant targets in pathogenic organisms.
7. Manuscript has several grammatical and typos errors. Authors need to thoroughly revise the manuscript to fix typos and grammatical mistakes.