

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

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Potential competing interests: No potential competing interests to declare.

Comments

1. First reference mentioned in the manuscript is not proper (1. When an author uses any statement, point or fact from any research or review articles, before that author need to check it multiple times that whether in that paper it has been mentioned or not before using it in your reference list. Random picking up any paper or adding such paper in your reference list is not a good practice. 2. Firstly, the paper is published in 2010 not in 2012 (wrong information).
2. Using sentences like "Efflux pumps come in different shapes, sizes, and flavors" is totally meaningless and degrades the quality of the paper. Remove these kind of sentences from your manuscript.
3. As this review is regarding efflux pump so, the author should give a proper introduction efflux pumps (which is missing in the manuscript) (1. like what are efflux pumps 2. Efflux pump super families and specific properties 3. A brief Description about each family with example
4. Kindly check Reference 6, 8, 9 (seems totally hoax).
5. The author can rephrase the entire para "Efflux Pumps as Defense Mechanisms".
6. In the manuscript author has given a subheading "Active Efflux Systems and Their Organization" which actually lacks lots of information regarding the organization of the efflux pump systems.
7. The manuscript is full of impractical examples kindly check properly and remove all
8. The section "Efflux Pump Inhibitors: An Overview" is very poorly described in the manuscript. The mode of action or how an inhibitor works is missing, other relevant information is also not provided. The author can read and follow some more articles for reference and for addition of few more updated data on this topic.
9. The sentence formation is really very poor kindly work on this to improve the quality of this paper
10. Similarly, for the section "Developing Small Molecule Inhibitors" need some more updated information.
11. Kindly check the entire manuscript for grammatical errors (for example: environmentally friendly approach to inhibiting efflux pumps)
12. Kindly check reference 21 and 22. If the referred article agrees with your statement or not....?
13. The section "Combination Therapy: Targeting Efflux Pumps and Antibiotics" is lacking proper description and examples (what are the latest combinations available and used globally need to be mentioned).
14. What is the need of giving two headings (both are same)? (all can be included in one instead of giving subheadings) (1. Overcoming Efflux Pump-Mediated Resistance in Clinical Settings 2. Overcoming Efflux Pump-Mediated Resistance in Gram-Negative Bacteria

15. What is the meaning of this sentence “Developing effective efflux pump inhibitors is not without its challenges”.
16. The manuscript is full of Repetition of words and sentences. The author can kindly check and remove all the repetitions (like- Efflux pump inhibitors, in combination with antibiotics, extend the lifespan of available drugs).
17. Heading 8 and 9 are exactly same (Conclusion and Implications for Combating Antibiotic Resistance). The author need to be extremely careful and should check the manuscript multiple times before submitting the research or review articles to any journal (as it indicates the sincerity of the author towards that specific journal).
18. The author should check the entire list of references very carefully to avoid mistakes.

A review article is an article that summarizes the current state of understanding on a topic within a certain discipline. The author should keep this point in mind before writing a Review.