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

Aparna Shil[1]

1 Jahangirnagar University

Potential competing interests: No potential competing interests to declare.

The manuscript titled "Inhibiting Efflux Pumps and Resistance Mechanisms: A Mini Review" explores a crucial and timely topic in the field of antimicrobial resistance. While the subject matter is undoubtedly significant and of great interest to the scientific community, my assessment of the manuscript reveals several shortcomings that need to be addressed before it can be considered for publication.

One of the primary concerns is the apparent lack of in-depth knowledge and scientific rigor in the content. The manuscript provides only a superficial overview of efflux pumps and resistance mechanisms, failing to delve into the essential details that would make it a valuable contribution to the scientific discourse. The absence of thorough explanations regarding the structure and mechanisms of efflux pumps is particularly notable, leaving the reader with an incomplete understanding of the topic.

Moreover, the language used in the manuscript is overly flowery and tends to simplify complex scientific concepts to the point where they become understandable by a layman. While accessibility is crucial, it should not come at the expense of scientific accuracy and depth. The manuscript should aim to strike a balance that makes it accessible to a broader audience without sacrificing the integrity of the content.

Another critical issue is the lack of figures and tables, which are essential tools for conveying complex information effectively. A visual representation of efflux pump structures, mechanisms of action, and the impact of inhibitors would significantly enhance the manuscript's clarity and appeal to a scientific audience.

Furthermore, the manuscript lacks a clear and well-defined goal. A scientific review should have a focused objective, outlining the specific questions or gaps in knowledge that the authors aim to address. Without a clear goal, the manuscript lacks direction and fails to provide a compelling reason for its existence in the scientific literature.

To elevate the manuscript to the standards expected by the scientific community, I recommend thorough rewriting with a more comprehensive exploration of efflux pumps, their structures, and mechanisms of action. The inhibitors should be discussed in greater detail, incorporating scientific rigor and critical analysis. The inclusion of figures and tables is imperative to enhance the visual representation of key concepts.

In conclusion, the manuscript holds promise with its intriguing topic, but substantial revisions are necessary to transform it into a valuable contribution to the scientific literature. A more in-depth and scientific approach, along with the incorporation

of visual aids and a clearly defined goal, will be essential for the manuscript to be considered for publication in a reputable scientific journal.