

Review Form 2

Book Name:	Innovative Solutions: A Systematic Approach Towards Sustainable Future
Manuscript Number:	Ms_BPR_ 3724.7
Title of the Manuscript:	IN SILICO AND IN VITRO ANALYSIS OF ANTIMICROBIAL PROPERTIES OF BIOACTIVE COMPOUNDS EXTRACTED FROM Selenicereus undatus
Type of the Article	Book chapter

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	The manuscript introduces an interesting concepts about exploring the bioactive components of dragon fruit peels as antimicrobial agents. The study employs in vitro and in silico techniques, which sound promising for bridging experimental and computational approaches to antimicrobial research. However, the detailed analysis of the molecular dynamic studies is missing in order to validate the proposed ligand stability and flexibility at the binding pocket of the target protein.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes	
Are subsections and structure of the manuscript appropriate?	Yes, However the table 1, the unit of the docking score is not stated.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	It is technically sound and scientifically robust as it integrates well-established methodologies like the agar well diffusion technique for assessing antimicrobial activity and molecular docking for in silico analysis. The clear documentation of controls, such as positive and negative controls during antibacterial assays, enhances the reliability of the results. Additionally, the combination of in vitro and in silico methods strengthens the scientific basis of the findings.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
Minor REVISION comments  Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	The figures for the molecular dynamics study should be included.	

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)	

[Review Form 2](#)

Reviewer Details:

Name:	<b>Kayode Raheem</b>
Department, University & Country	<b>University of Nebraska Medical Center, United Stated of America</b>