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| Book Name: | [**Chemistry and Biochemistry: Research Progress**](https://www.bookpi.org/bookstore/product/chemistry-and-biochemistry-research-progress-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4676** |
| Title of the Manuscript:  | **Rabbit angiotensin-converting enzyme-2: 3D structural reconstruction and comparison with its human analog** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**International Journal of Molecular Sciences, 25(22): 12393, 2024.**

**Available:** [**https://doi.org/10.3390/ijms252212393**](https://doi.org/10.3390/ijms252212393)

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | 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. A minimum of 3-4 sentences may be required for this part.** | **The manuscript investigates the comparison and reconstruction possibility for the human analog of the Rabbit angiotensin-converting enzyme-2. The study concludes that although the two analog have similar free energy and pH dependence, the 3D structure of rabbit analog is more stable. The study concludes that due to similar structural and thermodynamic properties of the two analog, rabbits can serve as animal model for blood pressure regulation and coronavirus infection.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **The title of the article is suitable** |  |
| 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. | **The abstract of the articleis comprehensive**  |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **The manuscript is scientifically correct bearing sufficient data under the headings Indrodution, Methods, Result and Interpretation and conclusion.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **The reference are sufficient though more could have been included. More recent reference could be included in the manuscript.**1. Chourasia, S. S., Kose, T. D., Kharkate, S. K., & Patle, M. R. (2023). A short review on recent developments in the computational techniques (2021) to mitigate SARS-CoV-19 disease. International Journal of Chemistry and Materials Research, 11(1), 8-22.**2. S. S. Chourasia, S. V. Bhandarkar; “Recent developments in QSAR and related cheminformatics bioinformatics techniques for drug delivery system”, International Journal of Advance and Innovative Research (IJAIR) Vol. 9, Issue3 (I); July-September 2022, 151-160** |  |
| Is the language/English quality of the article suitable for scholarly communications? | The language/English quality of the article is suitable for scholary communications. |  |
| Optional/General comments | Oveall the manuscript is well written and well organised. The structure of the manuscript is well structured and it justifies the title very well. Though if the suggested references and similar latest ones are included in the manuscript it will strenghthen the work.  |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)* |  |

**Reviewer details:**

**Sachin S. Chourasia, Dhote Bandhu Science College, India**