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| Journal Name: | [**Journal of Advances in Biology & Biotechnology**](https://journaljabb.com/index.php/JABB) |
| Manuscript Number: | **Ms\_JABB\_133684** |
| Title of the Manuscript: | **Homology modeling and Structural docking analysis on a human BDNF gene by using Computational algorithms** |
| Type of the Article | **Research Article** |

PART 1: Comments

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|  | **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 problem statement is neatly designed, they are done correctly, and good results.** | The problem statement is clearly defined, the methodology is appropriately applied, and the results are promising. This study offers valuable insights into the structural and functional role of the BDNF protein, which plays a critical role in neuronal development and neurotransmission. Using computational tools, the research explores BDNF's stability, structural composition, and interaction with potential therapeutic compounds. The identification of strong binding molecules through protein-ligand docking highlights promising drug candidates for neurological disorders. These findings contribute to ongoing efforts in drug discovery and may guide future experimental studies aimed at developing targeted therapies for brain-related diseases |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes** | 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.** | **It is related to abstract** | Revised |
| **Is the manuscript scientifically, correct? Please write here.** | Yes , it is good | Yes |
| **Are the references sufficient and recent? If you have**  **suggestions of additional references, please mention them in the review form.** | It is sufficient results | Sufficient |
| **Is the language/English quality of the article suitable for scholarly communications?** | It is good | Good |
| **Optional/General** comments |  |  |

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| **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)* |  |