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| Journal Name:  | [**Asian Journal of Research in Biochemistry**](https://journalajrb.com/index.php/AJRB)  |
| Manuscript Number:  | **Ms\_AJRB\_137067**  |
| Title of the Manuscript:  | **Exploring the Neuroprotective Effects of Quinoxalines: A Novel Approach to Alzheimer's Disease Management**  |
| Type of the Article  |  |

**PART 1: Comments**

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|  | **Reviewer’s comment**

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| **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer**  |
| **review.** |  |

  | **Author’s Feedback** (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.**  | * **Synthesis of new quinoxaline derivatives.**
* **Screened of new synthesized compounds for** **their antioxidant activity, AChE inhibitory activity, and anti-inflammatory activity both in vitro (PC12 cell line) and in vivo (APP/PS1 transgenic mice model).**
 |   |
| **Is the title of the article suitable?** **(If not please suggest an alternative title)**  | **Exploring the Neuroprotective Effects of Disease Management**  | **some new** |  **Quinoxalines: A Novel Approach to Alzheimer's**  |   |
|  |
| **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 the abstract of the article perfect**  |   |
| **Is the manuscript scientifically, correct? Please write here.**  | **The manuscript missed the chemistry part of the synthesized Quinoxalines (scheme, methods of preparation and details data of NMR, IR, and mass spectrometry) and lose mention of Quinoxalines was prepared before and the reference for that.**  |   |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  | **Please rewriting the reference - Some references bold why?** * **Some references missed the page number**
* **Some references missed the DOI**
* **Some references duplicated**
* **Some references not mention in the manuscript**
 |   |
| **Is the language/English quality of the article suitable for scholarly communications?**   | **suitable**  |   |
| **Optional/General** comments   |  |   |

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| **PART 2:**  |
|  | **Reviewer’s comment** | **Author’s Feedback** (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)* |  |

**Reviewer details:**

**Hebat-Allah Sayed Abbas Mohammed, National Research Center, Egypt**