Journal Name: [**Asian Journal of Mathematics and Computer Research**](https://www.ikprress.org/index.php/AJOMCOR)

Manuscript Number: **Ms\_AJOMCOR\_13061**

Title of the Manuscript:

**Normalized solutions for a quasilinear Schrodinger Choquard equation with exponential critical growth in R 2**

Type of the Article

**PART 1: Comments**

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| --- | --- | --- | --- | --- | --- |
|  | **Reviewer’s comment** | | | | **Author’s Feedback** (It is mandatory that  authors should write his/her feedback here) |
|  | **Artificial Intelligence (AI) generated or assisted review comments** | |  |
| **are strictly prohibited during peer review.** |  | |
| **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 addresses a significant and challenging  topic in nonlinear analysis and mathematical physics. Quasilinear Schrödinger–Choquard equations, which involve nonlocal interactions and critical exponential growth, arise in models of quantum mechanics and nonlinear optics, particularly in two-dimensional settings where classical methods face difficulties due to the lack  of compactness. By establishing normalized solutions, the authors provide important insights into the existence and qualitative behavior of solutions under mass constraints, contributing to the deeper understanding of nonlocal and critical phenomena in mathematical physics. | | | |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **YES** | | | |  |

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| **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** |  |
| **Is the manuscript scientifically,**  **correct? Please write here.** | yes |  |
| **Are the references sufficient**  **and recent? If you have suggestions of additional references, please mention them in the review form.** | yes |  |
| **Is the language/English quality**  **of the article suitable for scholarly communications?** | yes |  |
| **Optional/General** comments | **If possible author can add an example to support the results.** |  |

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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)* |  |

**Reviewer details:**

**Megha Kishor Kothawade, Guru Gobind Singh College of Engineering & Research Centre, India**