# Review of: "Multiplicity of solutions for nonlocal fractional equations with nonsmooth potentials"

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**Potential competing interests:** No potential competing interests to declare.

**Review Report on the paper entitled**

**"Multiplicity of solutions for nonlocal fractional equations with nonsmooth potentials"**

Authors:  Ziqing Yuan*, Lin Yu

 This paper establishes the results for the multiplicity of solutions for fractional equations with nonsmooth potentials by taking nonlocal operator.  Authors  provide the results by using fixed point technique under suitable assumptions and the ideas and the results of the proof seem to be correct.

This paper is well written and provides some interesting results in some sense. However, the following comments should still be taken into consideration.

1. The Lipschitz condition in this work is a strong condition. I hope that in future work, the author can replace this condition, but not now, of course.
2. It is crucial to contextualize the proposed work within the existing literature. Authors should highlighting how the proposed approach differs from or improves upon existing techniques will better justify the relevance and novelty of the manuscript.
3. The similarity index of the paper is too high. Authors need to reduce the similarity index.
4. This work concerning  **fractional equations in some sense, but  the authors not discuss in the introduction for the same.** The introduction and the reference section should strengthened, we suggest the author to use more fractional works such as:

https://doi.org/10.1002/mma.9484

   10.3934/mcrf.2023013

10.3934/eect.2021058

10.3934/eect.2021016

https://doi.org/10.1007/s40435-023-01258-7

https://doi.org/10.1007/s41478-023-00675-3

1. At many places author used semicolon(;), for example

Page 5: In Proposition 2.1. and

Page 7: In the hypotheses.

Authors needs to check and use suitable Punctuation Marks.

1. The conclusion section is missing  and must be provided at the end of the paper.

The fractional order system considered in this work is interesting but the author still needs to invest energy in modifying and improving the quality of the manuscript. Based on the above observation, this paper is recommended for the publication if the author considered the above points.