

Review of: "A Novel Variable Neighborhood Search Approach for Cell Clustering for Spatial Transcriptomics"

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Potential competing interests: No potential competing interests to declare.

This paper presents a new approach to cell clustering using the VNS metaheuristic.

Here are some suggestions on how to improve the paper:

- 1- The innovation and new contribution seem relatively limited and must be better underlined.
- 2- Numerical values of superiority of the proposed method are shown in the abstract and conclusion sections.
- 3- It is necessary to first determine the research motivations in relation to the current conditions of research in this field. Then, the justification of the proposed method in this application should be presented.
- 4- The clarity of the figures needs to be improved.
- 5- How was the pre-processing of the images used? How to choose bands, etc., should be explained?
- 6- The structure of the journal has not been followed properly.
- 7- The paper should be rewritten by a native English speaker.
- 8- The content of the paper is not standard; this factor makes the complexity of understanding.

Overall, I think this paper can be published after the major corrections and English revision.