

# Review of: "Visualization of Home Security Sensor System Based on IoT Server"

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Potential competing interests: microgrid

1. Abstract of the article is confusing and must be rectified. It must include the improvement strategy, which is used to modify the existing algorithm.

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2.The choice of methods for literature review does not convince me - there are many voices in the scientific community criticizing the creation of new metaheuristics, the only innovation of which is the presentation of new nomenclature. I am afraid that some of the methods you have presented may be counted among them. However, there are no classic techniques. Additionally, improved approach used in the name has not been explained, and I miss the reference to improved algorithms. One should also pay attention to the level of complexity of the proposed approach, making it difficult to implement.

3.There is lack information about the statistical tests used, during comparisons you should choose methods belonging to the state-of-the-art, there is no information on how to determine the parameters of the proposed algorithm, analysis of the results (especially convergence) is sketchy and some of the figures are of poor quality.

4.Some of the important references related to economic load dispatch problem are missing in the manuscript, which includes:

<https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/rpg2.12466>

[https://www.researchgate.net/publication/359115264\\_A\\_NEW\\_ENERGY\\_MANAGEMENT\\_SYSTEM\\_of\\_ON-GRID\\_OFF-GRID\\_USING\\_ADAPTIVE\\_NEURO-FUZZY\\_INFERENCE\\_SYSTEM](https://www.researchgate.net/publication/359115264_A_NEW_ENERGY_MANAGEMENT_SYSTEM_of_ON-GRID_OFF-GRID_USING_ADAPTIVE_NEURO-FUZZY_INFERENCE_SYSTEM)

<https://www.mdpi.com/2076-3417/10/17/6120>

[https://www.researchgate.net/publication/333995258\\_Wireless\\_Controlled\\_Smart\\_Home\\_System](https://www.researchgate.net/publication/333995258_Wireless_Controlled_Smart_Home_System)

[https://www.researchgate.net/publication/328884263\\_Wemos-D1\\_and\\_Raspberry\\_Pi3\\_Based\\_Smart\\_Communication\\_and\\_Control\\_of\\_Home\\_Appliances\\_System](https://www.researchgate.net/publication/328884263_Wemos-D1_and_Raspberry_Pi3_Based_Smart_Communication_and_Control_of_Home_Appliances_System)

5. Some key parameters during simulations were omitted.

6. The meaning of some symbols is not given.

7. The authors should pay attention to use a variable to represent a meaning, and do not use multiple symbols to represent a meaning.

8. The authors should not use multiple symbols to represent a variable to avoid ambiguity.

9. The results, should be discussed more detailed. What are the insights?

10. There are a lot of other typo errors and grammatical errors, which must be rectified in the revised version of the manuscript.