

Review of: "Optimized Low-Powered Wide Area Network within Internet of Things"

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Potential competing interests: No potential competing interests to declare.

The article topic is really interesting; however, the paper has some problems that should be addressed to consider for publication.

- 1) The abstract should be improved. Please, rewrite it. What is the novelty of your study? What is the impact of your work? The results are poorly shown in the abstract.
- 2) The manuscript has a lot of typos and the reference style is incorrect on several occasions. The algae name should be written in italics.
- 3) The results and discussion are very limited, and the material and methods are confusing. Figures should be improved with the correct units of the axis and error bars. It is not clear what is set 1 and set 2. The material and methods should be rewritten; it is very confusing to understand which is the filtration process and the reason the study was performed in a beaker (Figure 3). The performance of the whole system (Fig 2) would provide interesting results. Which is the pigment mentioned? (Line 150). The authors should compare the results found with the ones in the literature (showing numbers!!). What is the impact of your study? How does it differ from the other design published previously?