

# Review of: "Modelling of Quadcopter for Precision Agriculture and Surveillance Purposes"

Maria Tejada-Begazo<sup>1</sup>

<sup>1</sup> São Paulo State University (UNESP)

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

The article is well-written and needs some corrections to make it more powerful.

1. The abstract does not mention the importance or what has been achieved in the field. Since reading it, I thought it was a review; however, in the middle of the paragraph, it discusses constructing a quadcopter. Therefore, the importance of this work in the area should remain in the reader's mind.

2. I prefer only to have a brief introduction at the end of the work that has been done and why the article is relevant in the field of research. Therefore, the detailed parts of the Precision Agriculture cycle and the advancement of drones in the industry would remain like other sections.

3. If the figure is made, what it means must be described in the text. Therefore, I recommend briefly explaining Figure 1 of the agricultural cycle.

4. In the Materials and Methods section, there are several recommendations:

4.1 The proposed design and its relevance should be given in more detail. Comparisons could be made with other works, and what improvements are being proposed should be explained.

4.2 Check the matrix of equation 14; there is something wrong.

4.3 The simulation and computational modeling part would be suitable for detailing the mass of the quadcopter and other components.

5. In the Results and Discussion part, it was not mentioned how it was proven that the quadcopter could carry 7kg, as mentioned in the abstract.

6. Finally, I wonder if the title would change since the quadcopter being made is for a specific stage of Precision Agriculture.