

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

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Potential competing interests: No potential competing interests to declare.

Review Report

MODELLING OF QUADCOPTER FOR PRECISION AGRICULTURE AND SURVEILLANCE PURPOSES

This article presents the UAV used in the study, which was integrated with a liquid payload and a sprayer system that is controlled remotely by a flight controller radio. The objective was achieved by developing a mathematics-based model for the quadcopter. Subsequently, the quadcopter was physically fabricated in accordance with the computer model, tested, and evaluated. However, the following concerns should be considered before acceptance, and the latest citations must be updated as follows:

- 1- Check that the abbreviations are the same throughout the paper.
- 2- The introduction section needs to be extended and enriched by adding recent papers related to the importance of the applications of simulation, and a summary of the workflow is required.
- 3- The selection of the **quadcopter** should be justified.
- 4- Check the grammatical errors in the whole text.
- 5- In the conclusion section, it is suggested that users will get healthier as a consequence, and they will learn about the quadcopter's stability, which is significantly dependent on the symmetrical distribution of weight and equal arm dimensioning. Even a minor imbalance can affect the lift-off and stability of the quadcopter in flight. An error in arm dimensioning could have led to an imbalance plane and thus a struggle to achieve lift.