

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

Jafar Roshanian<sup>1</sup>

<sup>1</sup> K.N.Toosi University of Technology

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

This paper deals with mathematical modeling and trajectory simulation of a quadcopter applicable for precision farming.

There are many ambiguities and lack of information in the paper, and many details need to be addressed. So, my recommendation is a major revision.

1-The general subject of mathematical modeling and trajectory simulation of quadrotor motion is well known and has been addressed in many references. So, the authors must exactly justify what their special contribution is with respect to the corresponding references in terms of modeling or simulation.

2-The authors must exactly explain how they considered the dynamic effect of the sloshing in the liquid tank integrated with the vehicle.

3- What exactly did the authors mean by using 'design' in section 2.2.4?

4- There is nothing clear about the details of the control system.

5-What was specially developed regarding precision farming applications for the discussed quadcopter?

6-The paper is written very wordily, and many things are vague and ambiguous, needing clarifications or the addition of corresponding applied approaches, formulas, specifications, flowcharts, etc. So, the paper must be completely rewritten to address the major items.