

## Review of: "Design and Fabrication of a Low-Cost Multi-Purpose Underwater Remotely Operated Vehicle"

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Potential competing interests: No potential competing interests to declare.

In this work, the authors present a footstep in a huge industry. I think the authors present remarkable efforts towards ROV innovations. However, this work can be considered as a limited prototype and a starting point for better low-cost and cheaper remotely operated vehicles because, from my point of view, this work shows many shortcomings.

Academically: This work's readability and quality can be increased further.

Experimentally: This work does not provide a sufficient result to rely on. To consider such innovation, the ROV needs to be operated many times with different environmental cases to test the ROV's ability against external disturbances and unknown uncertainties. Furthermore, the ROV materials need to be tested to see if they're efficient because many materials could sometimes cause problems rather than solve them.

The ROV's external shape must be checked to see if it can penetrate the water successfully at different depths.

The precision of using a GPS chip must also be verified because the uncertainty of using such a technique could be inaccurate.

The nRF communication module used in this work is only efficient with RC models and cannot be considered effective for huge duties for which the ROV could be tasked.

Finally, the authors are advised to consider all these points and increase their efforts in the future to present better thoughts in this industry.

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