

Review of: "Integration and Implementation of Multiple Soil Sensors for Automated and Regulated Irrigation"

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Potential competing interests: No potential competing interests to declare.

1. English should be checked and improved
2. The references section contains many (very) old references. This has a negative impact on the novelty and relevance of the study.
3. DS18B20 sensor is advertised as being water resistant. However, in reality, repeated exposures to water (expected in the case of irrigation) will soon deteriorate the sensor. Probably, a more reliable sensor should be used.
4. The paper contains many details related to HW components and their parameters. However, there are very few details related to actual implementation.
5. Section 3, Results, should be more strongly connected to the authors' actual work
6. There is no Section 4; the paper moves from Section 3 to Section 5.
7. It is not clear how the system based on the presented prototype will be used. I encourage the authors to investigate the following directions: protection of the processing unit (against rain, heat, UV, etc.), distance between the processing unit and sensors (for big agricultural surfaces, many sensors are needed in order to have a fair view of the investigated parameters – moisture, temperature, etc. The lengths of the wires will cause specific problems that must be investigated), power supply (energy harvesting can or should be considered).