

**Review Form 1.7**

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|--------------------------|--|
| Journal Name:            | <b>International Journal of Environment and Climate Change</b>                     |
| Manuscript Number:       | <b>Ms_IJECC_108312</b>   |
| Title of the Manuscript: | <b>Evaluation of Inexpensive Capacitive Soil Moisture Sensors for IoT Networks</b> |
| Type of the Article      | <b>Original Research Article</b>   |

**PART 1: Review Comments**

|  | <b>Reviewer's comment</b>   | <b>Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</b> |
|--|---|--|
| <p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b><br/>(Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b><br/>(If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p> | <p>Yes.<br/>This paper focuses on characterizing a commercially available, cost-effective capacitive coplanar soil moisture sensor suitable for deployment in distributed IoT nodes. Our findings indicate that this capacitive sensor establishes a dependable correlation between output voltage and gravimetric water content, particularly in soils with a consistent solid-to-volume ratio.</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> |  |
| <p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>   | <p>Nil</p>  |  |
| <p><b>Optional/General</b> comments</p>  | <p>Replace fig.4 with clarity picture.</p>  |  |

**PART 2:**

|  | <b>Reviewer's comment</b>   | <b>Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</b> |
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| <p><b>Are there ethical issues in this manuscript?</b></p> | <p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> |  |

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**Reviewer Details:**

|                                  |   |
|----------------------------------|---|
| Name:                            | <b>Sushanth H Gowda</b>                             |
| Department, University & Country | <b>Visvesvaraya Technological University, India</b> |