



**SDI Review Form 1.6**

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|--------------------------|------------------------------------------------------------------------------------------------------|
| Journal Name:            | <a href="#">American Journal of Experimental Agriculture</a>                                         |
| Manuscript Number:       | <b>Ms_AJEA_26237</b>                                                                                 |
| Title of the Manuscript: | <b>Calibration of soil water content data from EnviroSCAN system using artificial neural network</b> |
| Type of the Article      | <b>Original Research Article</b>                                                                     |

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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**PART 1: Review Comments**

|                                            | <b>Reviewer's comment</b>                                                                                                                                                                                                                                                                                                                                                       | <b>Author's comment</b> (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><u>Compulsory</u></b> REVISION comments | <p>1) <b>Line – 10</b>- Irrigation is not a problem, it is a technique. Please change the sentence.</p> <p>2) <b>Line-56-61</b> – Scope of the work is to be properly written.</p> <p>3) <b>Line – 78</b> – In Eq. 1 SF is refers to both Scaled frequency and Soil frequency. Change the symbol</p> <p>4) The results of 0-20 cm and 0-60 cm are same. Give justification.</p> | <p>1) Done</p> <p>2) Done</p> <p>3) Done</p> <p>4) The results of 0-20 cm and 0-60 cm are not the same as illustrated in Figure (3)</p>                                              |
| <b><u>Minor</u></b> REVISION comments      | <p>1) <b>Line – 134</b> – What is the reference for Eq. 7 for standardising the data?</p> <p>2) <b>Line – 155</b> – ANN model was selected not elected. Please correct.</p> <p>3) <b>Line – 166</b> – Eq. 10 needs correction in the denominator <math>\theta_{viols}</math></p>                                                                                                | <p>1) The reference of for Eq. 7 is provided by the reference [22] in reference list .</p> <p>2) Done</p> <p>3) Done</p>                                                             |
| <b><u>Optional/General</u></b> comments    | The calibration equation from ANN output can be developed similar to regression analysis and could be compared. The equations are more easy to use.                                                                                                                                                                                                                             |                                                                                                                                                                                      |