

**Review Form 3**

Journal Name:	<a href="#">International Journal of Plant &amp; Soil Science</a>
Manuscript Number:	Ms_IJPSS_124412
Title of the Manuscript:	Development of Location Specific Decision Support System (DSS) for Adopting the Best Water Management Strategies to Maximize the Production for Nagarjuna Sagar Right Canal Command Area
Type of the Article	

**PART 1: Review Comments**

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This manuscript is important to the scientific community because addresses a topical issue, i.e. the optimal exploitation of irrigation systems. An optimal design, execution and operation of irrigation systems is necessary in areas with water deficit or where plants are grown that have a high need for water, and this cannot be satisfied naturally (precipitation). It is also necessary to develop a sustainable management system in this field.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes.	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes.	
Are subsections and structure of the manuscript appropriate?	Yes.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The decision support system was designed and developed in visual basic. The DSS analyse data and computed values represented in graphical form. The developed decision support system is a complex one, considering that it takes into account all the necessary parameters for an optimal exploitation of the canals: hydraulic parameters, precipitation amounts, flow rates, climatic parameters, soil characteristics, water needs for the population, respectively the demand for water for crops, respectively data on groundwater.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are sufficient, but no recent.	
<u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language/English quality of the article is appropriate for scholarly communications, he presentation is clear and followable.	
<u>Optional/General</u> comments	Perhaps an analysis of the efficiency of this developed system, advantages and disadvantages, respectively an analysis of the errors that may appear and for what reasons, would be useful. It would also be useful to apply this system on a smaller surface (a single crop), where measurements can be made and a comparison can be made between the results of the field measurements and those resulting from the application of the developed system.	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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