

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_112415
Title of the Manuscript:	Hydrological impacts and field scale of rain and artificial recharge structures of pre and post monsoon in effective groundwater zones
Type of the Article	

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PART 1: Review Comments

	Reviewer's comment	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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. The topic of this manuscript is important as it concerns one of the paramount actual challenges, specifically, lack of the potable/fresh/available water, especially in the localities with the uneven distribution of water sources, high population density and intensive agricultural activity. The article is intended to contribute to the artificial water recharge, looking for solutions of replenishing the underground water levels with monsoon precipitates. 2. The article title is relevant. 3. The abstract of the article corresponds to its contents. However, the article itself does not provide sufficient material to propose/justify the practical solutions related to its topic. 4. Subsections are not quite appropriate. Thus, there is no subsection "Conclusions and Recommendations", "Acknowledgement/s". The subsection "Materials and Methods" is short and does not allow to reproduce/verify the results. 5. Manuscript needs to be further improved and modified, to be in line with the general modern requirements towards the research papers. The paper only contains one photo, one figure (a graph) and a rather detailed table. Research data are related to the study of only one well, and it is hard to judge whether the results may be extrapolated to other, broader, areas and objects (although such possibility exists). The results are described in a rather general form. The conclusions are expressed just in common words, and are not accompanied with the determined values of main process parameters (i.e. figures) which should demonstrate applicability of the proposed approach and its potential value in using for the prediction of water recharge activities. 6. List of references contains just 14 references (which looks to be insufficient) written within the years 2002-2016. In this way, it needs to be completed with more fresh papers developed in the last years. As the research topic studied by the authors is actual, it could be expected that the new references in this field are available. 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<p>It is to be mentioned that currently the quality of English of this article is generally unacceptable, although the contents of article is scientifically important and can be accepted for publication, following thorough examination and modifications. The norms and rules of English grammar are not respected in many cases; moreover, some phrases and sentences are combined in such a way that their understanding becomes difficult at al. It is strongly recommended to consult with the person with good knowledge of written scientific English, to improve and modify numerous errors and uncertain/ hard-to-understand expressions, to divide some sentences in two different ones, and make other relevant improvements in the text, prior to publication of this article.</p>	
<p>Optional/General comments</p>	<p>The actuality of research topic, as well as the contents of this article and results of the case study presented are of undoubtful practical and some theoretical interest for experts and larger public, therefore, in general terms, it could be considered for publication, following the major revision. Thus, the article should be thoroughly revised prior to further consideration of possibility and relevance of its publication in the International Journal of Environment and Climate Change.</p>	

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	<p>First of all, English language, expressions and presentation of material need to be improved everywhere through the text. The structure of article is not sufficiently organized; thus, there is no separate chapter like "Conclusions and recommendations".</p> <p>It is recommended that the article to be completed with: broader literature review based on a broader list of fresh references; more detailed and explicit description of research methodology; more detailed and justified description of research results, possibly, completed with the additional research data represented in more figures and tables; justified conclusions clearly showing how the results obtained demonstrate the theoretical and especially practical perspectives of the proposed approach applications. The authors demonstrate just the possibility on how to predict possibilities of fresh water recharges in certain area, due to the monsoon precipitates; however, it would be valuable if they also propose/demonstrate or cite some improved practical measures on how to implement these activities.</p> <p>I suppose that, in spite of the numerous lacks that need to be improved and revised, this article, after a major revision by the authors, should be considered for publication in International Journal of Environment and Climate Change, as it corresponds to its policy and general contents, and describes original research material, aiming to promote the monsoon waters using for replenishing the exhausted fresh water horizons.</p>	
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PART 2:

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

Reviewer Details:

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