

Review Form 1.6

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_83769
Title of the Manuscript:	Trends in streamflow in relation to water retention structures: A case study in Bharathpuzha river basin, India
Type of the Article	Original Research Article

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:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy>)

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)
Compulsory REVISION comments	<ol style="list-style-type: none">1- Abstract is just one paragraph space;2- "The availability of fresh water of acceptable quality is becoming scarce (Ahmadi et al, 2020; Boretti and Rosa, 2019) and at the same time it is urgent to conserve the fresh water resources which are utilized at alarmingly increasing rates and is polluted by the increasing population." -> this is a very strong statement that must be supported by distinct references;3- There is a lot of typos, such as analysed, and Landuse;4- The main problems in the manuscript is: 1) there is no critical analysis of the results since the authors just showed the results; 2) there is no comparative performance considering other models.	<ol style="list-style-type: none">1. Abstract is modified to one paragraph. Not clear whether to give single line spacing for abstract?2. References to support the statement have been added3. All typos have been corrected4. 1) Critical analysis of the results are added. Analysis is also included in the conclusion 2) Earlier researchers have stated that SWAT model is the best one to study the impact of the conservation structures and reservoirs on the hydrology of a basin. Hence the model was chosen for the study.
<u>2</u>		
Optional/General comments		

PART 2:

	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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	No