



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Research in Agriculture and Forestry</a>
Manuscript Number:	Ms_AJRAF_48853
Title of the Manuscript:	Quantitative & Qualitative Perspectives of Forest-Water Interactions at Catchment Scales
Type of the Article	Policy 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:

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



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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)
<b>Compulsory</b> REVISION comments	<p>All the summary is descriptive, where present the role of forest in the supply of clean water for variety of uses, and also defending soils from erosion. The qualitative as well as quantitative aspects of forest water and their influences on variety of far sighted developmental activities for any nation, was aborted in the abstract. The abstract provides no methodology related to the research topic. The abstract does not specify the strategy to be applied for carrying out the implementation of the following objective: "This paper offers certain food for thought by summarizing the relevant scientific consensus of key aspects of forest-water relationships; accommodating water quantity, quality &amp; pollution issues in such catchments. It includes couple of wider aspects towards 'forest-water interactions' and 'water quality and pollution facets.'" Finally, the abstract does not show any outstanding results or expected results in the study. As it is documented research and descriptive work, all the above-mentioned information was gathered from the following sources: Ellison et al. (2017). Riitters et al, (2016).; Hamilton (1985) and Wagener et al, (2010).; FAO (2016); UNESCO (2017). In short, the work is very extensive, it is recommended to reduce the spread of the following sections:</p> <ol style="list-style-type: none"> <li>1. Concretized the abstract.</li> <li>2. Adjust the extent of the Introduction, forest water quality and climate change.</li> <li>3. Collating references to the text and vice versa. Correct the following references:</li> </ol> <ul style="list-style-type: none"> <li>• Add the names of the co-authors and their initials reference name to "Ellison, David et al."</li> <li>• To register the initials name the following authors "Riitters, Kurt; Wickham, James D., Wickham Jennifer K Costanza, Jennifer K., and Vogt"</li> </ul>	<p>Thanks. I am amazed with the painstaking review of manuscript by the reviewer and putting practical and conclusive comments giving due recognition towards key subject focus of the manuscript. Yes, I totally agree with valuable words citing writeup as 'descriptive' in nature to put a visible role of forests in providing and conserving the 'water' a most precious natural resource of our globe.</p> <p>Abstract is rewritten by incorporating all the views and suggestions from reviewer (p-1). For methodological standpoint a small sketch in regards to methods is incorporated in the revised manuscript by adding a separate narrative under sub-heading entitled 'Methodological Portrayal (pages 3-4 and lines 119-198). As suggested some of the outstanding/expected results are included in newly framed abstract.</p> <p>Though it falls under the category of policy paper on an important issue under natural resource management, the informal methodological steps or the methodology adopted on the topic remains reviewing and analysing the prevailing scenarios and generalized R&amp;D issues with mention of shortcomings in its proper understanding. Valuing various hydrological constituents and projecting some of the research gaps for use by researchers and policy planners (in the domain of forest and water sector) was kept as a prime focus.</p> <p>Since subject domain of policy paper is very large, best efforts are put to optimize the spread of various sections and subsections by looking from different angles (modified syntax/language, updated quantified results/inferences, corrected/enriched references with required collating exercise. These improvements are done in wholesome manner and can be visualized while running across pages (2-19) in revised manuscript.</p> <p>Ellison et al. (2017) was having about 17 co-authors, hence it was quoted in et al. shape; moreover as suggested by reviewer, the reference is now wholly quoted by adding all the authors suitably in revised manuscript (p-as As suggested all the initial names (p-18, lines 734-739)</p> <p>Spread of work is reduced by improving abstract, downsizing introduction, collating &amp; correcting references as suggested by reviewer.</p> <p>The corrections mentioned under minor revisions on lines 29,56,77, and 137 of original manuscripts are attained and all these corrections have been suitably made in the revised version of manuscript, which could be seen at serial no 5 and 12 in references and at other relevant segments of manuscript which is totally modified by adding best possible ingredients in according to points and thoughts raised by able reviewer/s)</p>
<b>Minor</b> REVISION comments	<p>Line 29: change "they often acts" to "they often act".</p> <p>Line 56: Change "Ellison et al (2017)" to "Ellison et al., (2017)"</p> <p>Line 77: change "but also to perform a variety of favourable functions" to "but also, to perform a variety of favorable functions".</p> <p>Line 139: The reference "Hamilton (1985)" was not reported in the bibliography.</p>	<p>Authors feels gratified to the reviewer who has gone to such an in-depth layer of this paper, which is indicator of his expertise and marvelousness towards this burning issue on the globe.</p> <p>Yes, we have attempted to visualize and present such a plethora of segments (very nicely categorised 'A' to 'F' herein) for best possible viewpoints from our</p>



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		<p>side and as per our viewpoints. Reading such a beautiful string of reviewer has certainly helped us to further enrich the architecture of manuscript by making it aligned on these conceded points/segments.</p> <p>Advantage of these important general comments of reviewer is taken and utilized inside the revised form of manuscript, which could be seen from 1<sup>st</sup> to last page of revised version of manuscript.</p> <p>Thanks for such a nice review with which the manuscript really got an awesome and comprehensive appearance , in comparison to what it was originally.</p>
<b>Optional/General</b> comments	<p>It is a compilation of information on the following aspects:</p> <ul style="list-style-type: none"><li>A. The availability of water on the planet, the deforestation and anthropogenic land-use alterations &amp; their effect on climate, ecosystems, water, and thus the sustainability of livelihoods and the survival of species.</li><li>B. The role of forests on the water cycle (control stream flow, care ground water recharge, and through evapotranspiration bestow to cloud generation and precipitation).</li><li>C. The bio-physical control and its effect on the natural purifiers, filtering water and reducing soil erosion and sedimentation of water bodies (forest-water interactions).</li><li>D. Health of forests and improvement of water and environmental quality, and their interaction with water and soil in variety of ways (providing canopy surfaces and evaporation back into atmosphere).</li><li>E. The plant sizes, canopy density, litter floor and root systems of forest plants. Environmental functions (control of water and wind erosion, protection of headwater and reservoir watershed and riparian zone, sand-dune and stream-bank stabilization, landslide and avalanche prevention, preservation of wildlife habitats and gene pools, mitigation of flood damage and wind speed, and sinks for atmospheric carbon dioxide).</li><li>F. Issues and Viewpoints Towards Water Resources Anomalies (population explosion, cultures &amp; industries, basic knowledge/foundations for managing water &amp; forested watersheds)</li></ul>	

**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>	