

Review Form 1.6

Journal Name:	Asian Journal of Environment & Ecology
Manuscript Number:	Ms_AJEE_84600
Title of the Manuscript:	Impacts of Climate Change on the Water Sector in Mexico
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:

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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)
Compulsory REVISION comments	<p>In analysing the impact of climate change on the water sector, there are 3 things that need to be considered, namely: the danger of flooding, the danger of drought and the danger of decreasing water availability. In this article, we have analysed the dangers of flooding and the dangers of drought. So it is necessary to add an analysis of the danger of decreasing water availability</p>	
Minor REVISION comments	<p>In the abstract there needs to be a match between goals and results. In your abstract...</p> <p>Aims: The objective of this study is:</p> <ol style="list-style-type: none">to present a set of regional temperature and rainfall projections for Mexico under the IPCC's AR6 climate change scenarios,improving the projections of the Ocean-Atmospheric General Circulation Models andestimating the possible impacts of climate change on Mexico's water resources <p>Results:</p> <ol style="list-style-type: none">The regional models for Mexico show temperature increases ranging from 0.5 to 5 °C, while the % change in rainfall will range from -20.3% to 13.5% depending on the scenario and analysis period.Low soil moisture (mm), negative changes in NDVI and SPEI 12 show that the North, West and Bajío areas presented reductions in precipitation and increase in temperature that caused a severe deficit of soil moisture and water stress in plants considering these areas with scarce vegetation and presence of semi-permanent meteorological drought.Under these scenarios it is expected that practically the entire country will be subjected to moderate droughts (Central and South) to extremely strong (North) that will last and sharpen between now and the end of the century. These conditions have already been registered in the main hydrological basins of Mexico and if adaptation and mitigation measures are not adopted, the country's food security is put at risk . Also, in addition to the decrease in rainfall, it is estimated that they are more intense with the presence of extreme events, which will increase the vulnerability of some basins throughout the country, in the Central and Northern areas with extreme drought events, while in the Southeast with floods	
Optional/General comments	<p>This article is very good and deserves to be published</p>	

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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)	

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