

Review Form 1.6

Journal Name:	Journal of Agriculture and Ecology Research International
Manuscript Number:	Ms_JAERI_86644
Title of the Manuscript:	THE AGRICULTURAL SECTOR AND CLIMATE CHANGE 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:

(<https://www.journaljaeri.com/index.php/JAERI/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	This study has addressed a contemporary and important issue, how climate change induced has an adverse impact on agricultural sector and eventually endangering food security. The regional Ocean-Atmospheric General Circulation Model has applied by considering the most updated IPCC AR6 scenarios for projecting the change in the climate parameters and what extend temperature and rainfall pattern might be changed. NDVI and SPEI also used to validate the scenarios for depth understanding in the change in the agricultural sector. The analysis has found that temperature increases ranging from 0.5 to 5 °C, while the % change in rainfall will range from -20.3% to 13.5%. Moreover, reduction in soil moisture, NDVI values and SPEI 12 values are showing that climate change will lead to water stress and semi-permanent meteorological drought in some regions in Mexico. This research is important and has a social as well as global benefit.	
Minor REVISION comments	There are some labelling missing in the figures. Please find details in the manuscript.	The figures were labeled. The comments on the document were addressed.
Optional/General comments	This article can potentially be accepted with MINOR revision .	

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)	