



SDI Review Form 1.6

Journal Name:	Asian Journal of Geographical Research
Manuscript Number:	Ms_AJGR_58421
Title of the Manuscript:	Global Warming and Sea Level Rising: Impact on Agriculture and Food Security in Southern Coastal Region of Bangladesh
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:

(<http://www.sciencedomain.org/journal/10/editorial-policy>)



SDI Review Form 1.6

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 manuscript is well scripted, concisely documented and briefly illustrated.	
Minor REVISION comments	<ul style="list-style-type: none"> ✓ Fishing rather Shrimp culture is one of the most viable allied sectors for coastal region of Bangladesh in the perspective of food security. Some coping strategies should be mentioned for fish farmers may strengthen the manuscript. ✓ Source should be properly mentioned along with year in all the respective figures. ✓ Source or protocol for preparing the map 1 & map 2 should be mentioned. 	
Optional/General comments	<p>This manuscript was about the impact of global warming and sea level rising on agriculture and food security in southern coastal region of Bangladesh. Authors have made an effort for summarising the observed and predicted global warming scenario, temperature trend, rainfall trend, sea level rise and land inundation trend in Bangladesh and they made recommendation of possible opportunities especially for coastal region of Bangladesh which will ensure the food security to them. However, the manuscript needs minor revision before its publication. There are some specific points need to consider before publication:</p> <p>L280-289: Sea level rising effects on the Sundarbans mangrove vegetation- a world heritage: How the changed climatic variables rather salinity intrusion pose a threat to some mangrove species rather salinity intrusion?</p> <p>L199: Predicted se level rise and land inundation in Bangladesh: Further rise in sea level will expand inundation areas where Patuakhali, Khulna and Barisal regions would be most affected. Then what about the land inundation senarios of Chattagram division? Will the situation same for Chattagram division?</p> <p>L221-239: Land-use and cropping patterns in southern coastal areas of Bangladesh: Satellite image is more relevant than the discrete field photograph. Try to incorporate satellite image rather than field photograph for illustrating land-use and cropping patterns in southern coastal areas.</p> <p>Fishing is a traditional and most popular source of income from coastal side areas. Shrimp cultivation is one of the popular allied sectors in Khulna and Noakhali district. I personally very much interested about the future adaptive strategies in fish cultivation as fishing is one of the major enterprises and promising earning source for coastal region of Bangladesh. That should come as key findings.</p> <p>L354: The points of key findings can be concluded should come before the absolute conclusion that means those points should be arranged before the line 'Therefore, to mitigate ill effects of global warming and ensuring additional crop production for food security the policy makers, researchers, extension workers, GO and NGO bodies should set urgent priority.....'(before L347-348)</p> <p>This manuscript provides good information about the observed and predicted climatic scenario, and land inundation trend in Bangladesh and proposes strategies especially for coastal region of Bangladesh like, adjustment in cropping patterns and adaptation of salt and submergence tolerant varieties, tree plantation at embankments and construction of embankment, which will surely help climatic refugees to cope up with climate change.</p>	



[SDI Review Form 1.6](#)

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Suborna Roy Choudhury
Department, University & Country	Bihar Agricultural University, India