

SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_49095
Title of the Manuscript:	Challenging the Greenhouse Effect Specification and the Climate Sensitivity of the IPCC
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that <u>NO</u> manuscript should be rejected only on the basis of '<u>lack of Novelty'</u>, 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)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agre highlight that part in the mai
		his/her feedback here)
Compulsory REVISION comments		
Minor REVISION comments	In this paper authors have developed a concept of the greenhouse effect to explain the Earth's elevated temperature. The prevailing theory of climate change is the anthropogenic global warming theory, which assumes that the greenhouse (GH) effect is due to the longwave (LW) absorption of 155.6 Wm ⁻² by GH gases and clouds. The actual warming increase to 33 °C of the Earth's surface temperature according to the present GH effect definition is the infrared downward LW radiation of 345.6 Wm ⁻² emitted by the atmosphere. The atmosphere's temperature is the key element behind this radiation. According to the energy laws, it is not possible that the LW absorption of 155.6 Wm ⁻² by the GH gases could re-emit downward LW radiation of 345.6 Wm ⁻² on the Earth's surface. In this study, the GH effect is 294.5 Wm ⁻² , including shortwave radiation absorption by the atmosphere and the latent and sensible heating effect. This greater GH effect is a prerequisite for the present atmospheric temperature, which provides downward radiation of CO ₂ in the GH effect is 7.3% corresponding to 2.4 °C in temperature. The reproduction of CO ₂ radiative forcing (RF) showed the climate sensitivity RF value to be 2.16 Wm ⁻² , which is 41.6% smaller than the 3.7 Wm ⁻² used by the IPCC.	
Optional/General comments	7. Conclusion Manuscript is interesting and structured properly, but need to be improvised linguistically.	
	The review manuscript is recommended for publication after incorporating above suggestion / comments.	

PART 2:

eed with reviewer, correct the manuscript and nuscript. It is mandatory that authors should write

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	Reviewer's comment	Author's comment (if agreed that part in the manuscript. It is feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

Name:	Bharat Raj Singh
Department, University & Country	APJ Abdul Kalam Technical University, India

with reviewer, correct the manuscript and highlight s mandatory that authors should write his/her