

[Review Form 3](#)

Book Name:	Geography, Earth Science and Environment: Research Highlights
Manuscript Number:	Ms_BPR_3908
Title of the Manuscript:	Environmental Pollution and UV Index Effects on Climate Changes in Iraq
Type of the Article	Book chapter

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This is an article that is trending among scientists because it undertakes a region-specific assessment of greenhouse gas emissions and their impact on climate change with respect to Iraq, which is one of the most affected in the region concerning environmental degradation. The study gives enough details regarding CO ₂ and CH ₄ emission data along with their relative contribution to global warming, urging sustainable energy policies and environmental interventions. Also, the UV Index variation for most of the regions and seasons was discussed in this article as it is useful for drawing insights into the effects of climate change on health and environmental conditions. The present study not only enhances our understanding of local climate impacts but also serves as a foundation for policymakers as well as the research community in addressing these challenges adequately.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title, "Environmental Pollution and UV Index Effects on Climate Changes in Iraq," is relevant but not entirely suitable as it is somewhat broad and does not fully encapsulate the specific focus of the manuscript on greenhouse gas emissions, UV Index analysis, and their implications for climate change. Alternative Titles could be: <ol style="list-style-type: none"> 1. Greenhouse Gas Emissions and UV Index Variations: Impacts on Climate Change in Iraq 2. The Role of Greenhouse Gases and UV Index in Driving Climate Change in Iraq 3. Regional Analysis of Greenhouse Gas Emissions and UV Index Effects on Iraq's Climate 4. Assessing the Impact of Greenhouse Gas Emissions and UV Index on Climate Change in Iraq 	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract of the article provides a basic overview of the study, including the topics of greenhouse gas emissions, UV Index variations, and their effects on climate change in Iraq. It looks comprehensive.	
Is the manuscript scientifically, correct? Please write here.	The manuscript is largely scientifically accurate and has clarification of its scientific correctness	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	It can be improved few findings are as following: <ol style="list-style-type: none"> 1. Some references are older (e.g., [1] from 2018, [4] from 2020), which might not reflect the most up-to-date findings on climate change and greenhouse gas emissions. 2. Reference [9] (Google Weather) lacks a proper citation format, making it less reliable and unsuitable for academic purposes. 3. Some references are too general (e.g., [6], NASA Climate Change Overview) and do not specifically address Iraq's environmental conditions or regional studies. 	

Review Form 3

<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Need little bit improvement:</p> <ol style="list-style-type: none"> 1. Climate changes in Iraq is having impacts" → should be "Climate change in Iraq has impacts. 2. "AS well as (UV) Index charts for Southern region" → should be "as well as UV Index charts for the southern region." 3. "Greenhouse gases (CO₂, CH₄, H₂O):. They absorb the sun's heat that radiates from the Earth's surface, trap in the atmosphere and prevent it from escaping into space" → could be rephrased for clarity "Greenhouse gases (CO₂, CH₄, H₂O) absorb heat radiating from the Earth's surface and trap it in the atmosphere, preventing its escape into space." 	
<p>Optional/General comments</p>	<p>Scholarly Tone: The language occasionally lacks the formal tone expected in academic writing. For example: "Confirmed with big difference between summer and winter seasons" → could be rephrased as: "A significant variation was observed between summer and winter seasons." Punctuation Issues: Incorrect or inconsistent punctuation is present throughout the manuscript, such as misplaced commas and periods (e.g., "Carbon Dioxide (CO₂) and Methane (CH₄) for Iraq..").</p>	

PART 2:

	<p>Reviewer's comment</p>	<p>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)</p>
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

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