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| Journal Name: | [**International Journal of Environment and Climate Change**](https://journalijecc.com/index.php/IJECC) |
| Manuscript Number: | **Ms\_IJECC\_136854** |
| Title of the Manuscript: | **Review on Climate Change and Biodiversity: Impacts, Adaptations, and mitigation** |
| Type of the Article | **Review Article** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **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 manuscript provides an important overview of the state of the art regarding the effects of climate change on agriculture and biodiversity, two systems that are vital to both ecological stability and human well-being. By describing both adaptation and mitigation strategies, it offers scientists, decision-makers, and stakeholders valuable insights. Developing knowledgeable, situation-specific responses to climate threats is greatly enhanced by the emphasis on regional vulnerabilities and integrated solutions. All things considered, the study contributes to the scientific discourse by identifying important research gaps and offering useful suggestions for improving resilience and sustainability. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Title of the Article is suitable. |  |
| 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 is comprehensive and i don’t suggest any addition or deletion. |  |
| Is the manuscript scientifically, correct? Please write here. | The content and scope of the manuscript are generally accurate from a scientific standpoint. But it requires:  More exact wording  Enhanced clarity and organization  Extra information and particular references  Revisions to a few statements that were unclear or poorly explained |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | I suggest providing recent research article references.  Suggested additions include:  IPCC AR6 (2021–2022)  Pecl et al. (2017), Science on biodiversity redistribution  Roe et al. (2019) and Griscom et al. (2017) on natural climate solutions  FAO (2021) SOLAW report  IPBES (2019) Global Assessment |  |
| Is the language/English quality of the article suitable for scholarly communications? | To make sure the paper satisfies the requirements of scholarly communication, a comprehensive English language edit is advised, preferably by a native English speaker or a qualified scientific editor. |  |
| Optional/General comments | **-** |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?** | - |  |

**Reviewer details:**

**Gayathri G, ACS College of Engineering, India**