

Review of: "A Study for Estimation of Greenhouse Gas Emissions of Cotton in Central Greece"

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Potential competing interests: No potential competing interests to declare.

Review Report

I am thankful for the QEIOS for inviting me to review the article **"A Study for Estimation of Greenhouse Gas Emissions of Cotton in Central Greece"**. The research holds an interesting topic but needs to modify certain changes to improve the quality of the manuscript.

Recommended Changes:

1. The abstract should portray the practical policies and implications of the study.
2. Is it appropriate to regress 1 year data 2020 to 2021 and make some conclusion that cotton crops produces greenhouse gas emissions?
3. Make sure that the manuscript holds line numbers in the left side so that it would easy for the reviewers to make some suggestions. Be careful in the formatting of the documents.
4. The first paragraph line number 7, indicated that agriculture emissions was 24 percent in 2007. Now the present year is 2023, is it appropriate to make a background of some problem about 17 years ago. Mention some updated report reference here. So, the reader is aware of the recent year problems not very old problems to focus.
5. The entire manuscript contains many old references. It needs to be updated the document with the help of latest studies references.
6. The literature review section needs to be separated from introduction and focused on the specific linkages of the variables.
7. Also, enrich your study with some updated studies related to environment.

<https://link.springer.com/article/10.1007/s11356-021-14955-7>

<https://www.sciencedirect.com/science/article/pii/S0960148121015081>

<https://link.springer.com/article/10.1007/s11356-021-17099-w>

<https://link.springer.com/article/10.1007/s11356-021-16231-0>

<https://doi.org/10.1177/0958305X231159439>

<https://link.springer.com/article/10.1007/s11356-022-23453-3>

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1. Research gap and contribution of research is missing. Explain the research gap with the help of prior literary studies.
2. Provide some graphical perspectives of environmental conditions of Greece in the introduction section.
3. How the methodology is appropriate for focusing such a critical issue of environmental pollution.
4. How the sample size is determined?
5. The results and analysis seem good. But the results need to be discussed with the relevant prior studies that have similar findings.
6. The conclusion needs to discuss in more details instead of a single a paragraph. Future directions, limitations of study, and practical implications should mentioned at the end of conclusion section.