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| Journal Name: | [**South Asian Research Journal of Natural Products**](https://journalsarjnp.com/index.php/SARJNP) |
| Manuscript Number: | **Ms\_SARJNP\_139478** |
| Title of the Manuscript: | **Impact of Climate Change on Coffee Production and its Pest Biology** |
| 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.** | **There are many review or overview articles that have been published with regard to impact of climate change on coffee production and ones on coffee pests, especially coffee been borer. Some with very extensive overview. However, those do not eliminate the importance of this manuscript. However, I fell that this manuscript was written somewhat in hurry. The revies on the effect of climate change. This manuscript is still worth to published provided that …..** | ALL THE COMMENTS ARE DULY ACKNOWLEDGED |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **I suggest that the impact on pests focusing on major pests and diseases**  **Therefore, the title is “Impacts of climate change on coffee production and its major pest and diseases”** | ALL THE COMMENTS ARE DULY ACKNOWLEDGED |
| 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. | Before pointing out any mitigation measures, it is necessary to write one sentence to guide into any potential measure for solution of climate change impact on coffee production and increasing pest problem. | ALL THE COMMENTS ARE DULY ACKNOWLEDGED |
| Is the manuscript scientifically, correct? Please write here. | The manuscript is scientifically correct, but it needs to be more comprehensive, especially in suggested of mitigations, that lead to new perspectives. | ALL THE COMMENTS ARE DULY ACKNOWLEDGED |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **Not so, …. There are so many research and review articles in journals relating to the manuscript. I suggest the author read and incorporated them into the revised manuscript. Bellows are examples of relevant articles:**  Jaramillo et al. 2011. Some Like It Hot: The Influence and Implications of Climate Change on Coffee Berry Borer (*Hypothenemus hampei*) and Coffee Production in East Africa.  Ovalle-Rivera et al. 2015. Projected Shifts in Coffea arabica Suitability among Major Global Producing Regions Due to Climate Change.  Ritonga & Kwon. 2024. Coffee Production and Coffee Berry Borer (*Hypothenemus hampei*) Condition in Indonesia Related to Climate Change Effect.  Jaramillo et al. 2013. Climate Change or Urbanization? Impacts on a Traditional Coffee Production System in East Africa over the Last 80 Years.  Giraldo-Jaramillo et al. 2018. Biology, Thermal Requirements, and Estimation of the Number of Generations of *Hypothenemus hampei* (Ferrari, 1867) (Coleoptera: Curculionidae) in the State of São Paulo, Brazil.  Bilen. Et al. 2023.A Systematic Review on the Impacts of Climate Change on Coffee Agrosystems  Pham et al. 2019. The impact of climate change and variability on coffee production: a systematic review.  Whittaker et al 2024. The effect of an altitudinal gradient on the abundance and phenology of the coffee berry borer (*Hypothenemus hampei*) (Ferreri) (Coleoptera: Scolytidae) in the Colombia Andes.  DaMatta et al. 2018. Why could the coffee crop endure climate change and global warming to a greater extent than previously estimated.  Merga & Alemayehu. 2019. Effects of Climate Change on Global Arabica Coffee (*Coffea arabica* L) Production  Turreira-García. 2022. Farmers’ perceptions and adoption of *Coffea arabica* F1 hybrids in Central America  Hernandez-Aguilera et al. 2025. Translating the Adaptation of Ethiopian Coffee Farmers to Higher Temperatures into Economic Costs and Price Premiums: A Community-Based Breakeven Cost Approach.  WeldeMichael et al. 2019. The Impact of Climate Change on Coffee (*Coffea arabica* L.) Production and Genetic Resources  García-Méndez et al 2024. Effect of Microclimate on the Mass Emergence of *Hypothenemus hamp*ei in Coffee Grown under Shade of Trees and in Full Sun Exposure.  Wei et. al. 2023 Temperature-Dependent Biology and Population Performances of the Coffee Berry Borer *Hypothenemus hampei* (Ferrari) (Coleoptera: Curculionidae: Scolytinae) on Artificial Diet  Regassa. 2024. Impression of the Effects of Climate Change on Genetic Resources and Coffee (*Coffea arabica* L.) Production  Bongase. 2017. Impacts of climate change on global coffee production industry: Review  Lemma & Megersa.2021. Impact of Climate Change on East African Coffee Production and Its Mitigation Strategies.  Regassa & Gebisa. 2024. Impact of Climate Change on Coffee Quality and Yield  Gokavi & Kishor. 2020**.** Impact of climate change on coffee production: an overview  Sarmah et al. 2024. Climate change and emergence of pest and diseases in coffee. Climate Change and Pests: Invasion, Emergence, Outbreak and Management, Pages 199–213. | ALL THE COMMENTS ARE DULY ACKNOWLEDGED |
| Is the language/English quality of the article suitable for scholarly communications? | The language is suitable for scientific communication, however there are some typology mistaken and some phrases are not clear and need revision. | **ALL THE COMMENTS ARE DULY ACKNOWLEDGED** |
| Optional/General comments | I found some typology mistakes (I corrected some). The most distracting thing is inconsistency in writing reference in the text (using on not using coma, the parentheses), as well as in the reference list. | **ALL THE COMMENTS ARE DULY ACKNOWLEDGED** |

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| **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?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |