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| Book Name: | [**Geography, Earth Science and Environment: Research Highlights**](https://www.bookpi.org/bookstore/product/geography-earth-science-and-environment-research-highlights-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4647** |
| Title of the Manuscript:  | **Temperature and Cultivar Influence on Enzyme Activity and Composition of the Microbial Community in the Rhizosphere of Sweet Potato during Early Growth Stage** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**International Journal of Environment and Climate Change, 15(2): 326-342, 2025.**

**DOI:** [**https://doi.org/10.9734/ijecc/2025/v15i24730**](https://doi.org/10.9734/ijecc/2025/v15i24730)

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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 *(Please correct the manuscript and highlight that part in the manuscript. 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.** | The findings of the manuscript could influence multiple fields such as plant biology, microbiology, agronomy, and climate science. By combining multiple disciplines, the research could lead to holistic solutions for improving crop resilience and soil health in the face of climate challenges.This manuscript would also be important not only for the scientific community but also for the practical application of its findings in agriculture. It would help scientists and farmers better understand the interplay between environmental factors, plant varieties, and soil microbes, ultimately improving the sustainability, resilience, and efficiency of crop production systems. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Investigations on Temperature and Cultivar Variability in Microbial Dynamics and Enzyme Activity in Sweet Potato Rhizospheres |  |
| 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. | **Comprehensive** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **Scientifically accepted.**  |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Sufficient. Advised to include more recent references.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Appropriate. **However, scientific language should be incorporated in explanantions spefically in discussion and conclusion sections. Authors are requested to rewrite these sections more scientifically and comprehensively.** |  |
| Optional/General comments | Number of tables are high (eleven tables), therefore amalgamate or summarize the tables max. into 3 to 4 tables. It is difficult for the reader to grab information and understand the details clearly. Soil enzyme analysis is not adequately explained in the methodology. |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)*No |  |

**Reviewer details:**

Duwini Padukkage, Mahaweli Authority of Sri Lanka, Sri Lanka