

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_106122
Title of the Manuscript:	Physico-chemical characteristics of soil as affected by organic amendments in coloured capsicum grown under greenhouse conditions
Type of the Article	Original research paper

PART 1: Review Comments

	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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Yes, the research title "Effects of Adding Natural Stuff to Soil on Growing Colorful Bell Peppers in a Greenhouse" is important for scientists. It helps us understand how putting organic materials in the soil can change it when we grow colorful bell peppers in a greenhouse. This is valuable because it teaches us better ways to grow crops that are good for the environment and can be used by farmers to grow healthier plants.</p> <p>2. The title "Effects of Organic Amendments on Soil Health and Colored Bell Pepper Growth in Greenhouse Conditions" could be more precise and descriptive.</p> <p>3. The abstract talks about a study that looked at how adding natural materials and special fertilizers affect the growth of colorful bell peppers in a greenhouse. They used different types of natural stuff like compost and animal manure, along with special fertilizers, to see how they change the soil and the peppers. They measured things like how much nutrition was in the soil, how the soil felt, and how the peppers grew. They found that a certain mix of compost and fertilizers improved the soil and made the peppers grow better. Another type of manure improved how tightly the soil was packed. The study helps us understand how to make plants grow well using these natural things.</p> <p>4. Introduction: The introduction discusses the importance of colored capsicum cultivation especially in protected environments like greenhouses and its significance in Indian cuisine and agriculture. It explains that colored capsicum can bring good profits due to its high value, and its nutritional benefits, such as being rich in vitamin C, especially in the red variety are highlighted. The growing demand for year-round produce and the benefits of cultivating capsicum in controlled environments can be seen. It also introduces the idea of using organic manures and bio-fertilizers as sustainable alternatives to traditional chemical fertilizers. Though, the specific focus of the study, its objectives, and the research gap that should be addressed here couldn't be seen.</p> <p>Methodology: The methodology is clear in explaining the location, hybrid used, types of organic amendments and the treatments. However, it could be better if able to provide more information about certain aspects. For example, it could explain in more detail how the bio-fertilizers were applied to the seedlings, the exact process of incorporating organic manures into the soil, and the specific parameters of crop management, like irrigation and pest control. Moreover, mentioning the number of blocks and experimental units, as well as explaining the statistical analysis methods used, would make the methodology more comprehensive. Furthermore, providing specific details about the parameters recorded during the study, such as growth, yield, quality, and soil health, would give readers a clearer picture of how the data were collected.</p> <p>Discussion: The discussion analyzes the impact of various treatments on soil parameters, nutrient availability and plant growth. However, improvements could be made by integrating citations more smoothly into the text and providing mechanistic explanations for observed changes. Linking findings to the initial</p>	<p>Keep the same title as I have put it.</p> <p>Will try to elaborate</p> <p>Will improve</p>

	<p>hypothesis or objectives would enhance clarity, as would comparing results with previous research and discussing practical implications. Also, acknowledging limitations and suggesting future research directions would round out the discussion, making it more comprehensive and insightful.</p> <p>Conclusion: The conclusion summarizes the study's findings on how bio-fertilizers and organic manures improve soil and nutrients. It can be better if put in the study's goals, show how farmers can benefit, talk about sustainable farming, and mention any study limitations. This will help people better understand the study's importance and practical implications.</p> <p>5. Yes. 6. No. All citations are old, dated six years or more. Please include at least 30% of recent references. Ensure that these new references are cited within the text.</p>	Ok Ok
<p>MinorREVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	Moderate	
<p>Optional/Generalcomments</p>	Kindly do the change according to all the comments above and then resubmit	yes

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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