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Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	**Ms_CJAST_49049**
Title of the Manuscript:	**Effect of bio-fungicides on seed quality parameters and disease control in chilli seeds infected with Colletotrichum capsici**
Type of the Article	**Original Research Article**

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty'**, provided the manuscript is scientifically robust and technically sound.
To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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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)*
Compulsory REVISION comments	TITLE - **Effect of bio-fungicides on seed quality parameters and disease control in chilli seeds infected with Colletotrichum capsici** - Use the term "seedling" rather than "seed" in the title. It is strongly suggested to rewrite the title according to the objective stated at the end of the INTRODUCTION. - Suggested title – "Efficiency of bio-fungicides *(Trichoderma spp and Pseudomonas fluorescens*) on seedling emergence, vigour and health of infected chilli seeds (*Capsicum annuum*) by *Colletotricum capsici".* ABSTRACT - Provide more details about the experimental treatments and controls (nine total) and the response variables (seedling emergence, vigour and infection). - Summary conclusions should not imply production scenarios - only seedling emergence, health, and vigour. - Review English grammar and spelling accross the manuscript (e.g. thrice - three times) MATERIALS AND METHODS - Explain both Blotter or Lab and Pot methods - Explain how seeds were infected with *Colletotrichum capsici* - Explain how seeds were treated with simple and combined bio-fungicides - Explain how seeds were treated with Carbendazim - Explain the 9 treatments - use a table to show the simple and combined treatments, and all controls, origin of bio-fungicides, dosis, etc. Consider the term "non-infected" seed rather than "healthy" seed. Here the authors must distinguish among "treated", "infected" and "healthy" or "uninfected" seeds. Specify that healthy seeds only treated with bio-fungicides were not included in the study (these treatments are usually included to evaluate the beneficial effects of microrganisms (Trichoderma spp and Pseudomonas fluorescens) on uninfected seedlings. - Define BOD - Explain if the 16 petri plates (16 x 25 seeds = 400 seeds) were arranged as a complete block with 8 experimental treatments. It is not clear how many control treatments were included. - Pot experiment - 16 replications or 3 replications ? Same with lab experiment. - Provide information of Soil characteristics in the pot experiment - Explain the formula for Disease control - units and meaning of Treatment & Control - Seed germination should be replaced by seedling emergence in the pot experiment - Include a section to explain Statistical data analysis and provide more details of the statistical tests. Only ANOVAs were performed ? The authors must focus on proper comparisons between simple and combined experimental treatments (bio-fungicides) and specific controls (untreated healthy seed, untreated infected seed, Carbendazim treated infected seed). RESULT AND DISCUSION • Seed germination - use the term "seedling" emergence in pot experiment and seed germination in Lab experiment. • Show the significance level or p-value for every comparison mentioned in the text • Table 1 - must run and include statistical tests to compare experimental treatments against the controls within Lab and Pot Experiments. Define CD, SEm, and C.V.	

	• Seed quality parameters - must be seedling development and health • Seedling vigour - Show the significance level or p-value for every comparison in the text. • Table 2 - must run and include statistical tests to compare experimental treatments against the controls within Lab and Pot Experiments. Define CD, SEm, and C.V. • Disease infection and Disease control - Show the significance level or p-value for every comparison in the text. • Table 3 - must run and include statistical tests to compare experimental treatments against the controls within Lab and Pot Experiments. Define CD, SEm, and C.V. • This manuscipt provides interesting results, but proper statistical tests must be included as part of the data analysis to sustain the 'significant' differences and conslusions provided by authors.	
Minor REVISION comments		
Optional/General comments	The information and results of this manuscript are very valuable and a great contribution to the scientific community. However, the results should be complemented and sustained with proper statistical tests and significant p-values. In addition, the authors should focus the analysis on specific research questions based on specific control treatments. Also, a revision of the whole manuscript should be performed for clear scientific English.	

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)*	

Reviewer Details:

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