



SDI Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_41052
Title of the Manuscript:	ASSESSMENT OF VIRULENCE DIVERSITY OF <i>RHIZOCTONIA SOLANI</i> CAUSING SHEATH BLIGHT DISEASE IN RICE FROM EASTERN UP
Type of the Article	ORIGINAL RESEARCH PAPER

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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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	- How can you prove your collected isolates were <i>Rhizoctonia solani</i>. Need to mention in Materials and Methods. - Why exactly the same definition between lesion number and lesion height. Line 86-91 - Need to write the results separately for the two cultivars. (line 149-161) Virulent of isolate deals with some morphological character of <i>R. solani</i>. Such kind of research on virulent of <i>R. solani</i> on rice will be meaningful if compare with some other character of isolates. Further step after such kind of research should be considered well.	- By using morphological and molecular characterisation. sir the work is in still progress that's why I am not mentioned here once it is done. I was planning to include that in another research paper and submit in same journal - Sir, it was an observation recorded date not a definition, both lesion number and lesion height was recorded at 21 days after inoculation. that's why I have mentioned - done
Minor REVISION comments	- Background of the research is not clear in the introduction. - Plant growth stage? OR How many days old plant you have used for inoculation (line 73) - You have separate titles of incubation and some of data collections. So, No need to mention under subtitle, inoculation. (line 78 to 81) - Sub titles should be separated for incubation and data collection. (line 82-98) - What kind of data you have collected at 12 h after inoculation? Please mention it. (line 85). - Virulence on which variety? (line 101- 104) - Duplicated PDI formula. Erase one. (line 106-114) - Before isolation, mention, what kind of diseased samples you have used. (line 123) - What is the character of the culture? ((line 123) - It was mentioned 25 isolates in line 124. But 50 isolates in line 133. What difference. - What kind of conformity? (line 147) - Instead of Table 1, better to add, the map and collection sites), Because you already have GPS data. - In your result, you have mentioned only PDI, So, lesion height, plant height and relative lesion height columns are not necessary. (Table 3) - Some statistical analysis values should be added (eg. SE values) (Table 3)	- Pathogenic variability has a great concern in <i>R. solani</i>. Variation in lesion length was observed among different isolate-rice cultivar combination and this will be a determining factor in breaking the static mechanism of the host resistance. Once the variability is defined, it will help in identification of level of resistance in germplasm and genotype characterization for resistance and it would help to choose the parents in crossing programmes. From the above fact our main aim is to investigate the pathogenic variability in <i>R. solani</i> infecting rice. - Boot stage - Sir those are not under subtitle inoculation. all are separate - Incubation will also come under data collection (observation recorded) - Lesion number - Virulence categorised based on PDI for both susceptible (PB1) and moderately resistant (TETEP) cultivars - DONE - After isolation only I started my work, before I did not use any - Virulent - Sorry sir it was by a mistake..total 50 isolates - Among all the isolates the isolate collected from Chandauli has found highly virulent - DONE - Sir I have mentioned every thing, without remaining data it won't be worth - DONE
Optional/General comments		