



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">Asian Journal of Research in Crop Science</a>  |
| Manuscript Number:       | <b>Ms_AJRCS_47585</b>  |
| Title of the Manuscript: | <b>Defense Gene Expression of Vigna radiata (L.) Wilczek., against Cercospora leaf spots (CLS)</b> |
| Type of the Article      | <b>Original Research Article</b>   |

**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>)

**PART 1: Review Comments**

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|  | <b>Reviewer's comment</b><br>The paper is important because it aims to provide information about the biochemical mechanisms responsible for leaf spot tolerance by Cercospora ssp in Vigna radiata crops.   | <b>Author's comment</b> (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) |
| <b><u>Compulsory</u></b> REVISION comments | In materials and methods is not specified, the number of individuals with symptoms of the disease collected by genotype or if healthy individuals were included as control. There is also no reference to the methodology for the analysis of the results<br>The first paragraph of results should be included in Materials and Methods<br>In point 3.1 of results it is indicated that "this research showed the correlation between the level of glucanase, chitinase and genestein in the leaves of the mung bean cultivars and their state of resistance" and no correlation analysis is presented, which supports this statement<br>In the results presented in figure 1, it is not indicated if there are significant differences between cultivars in the content of proteins in certain organo of the silver or the existence of possible interaction effects, between the content of protein and cultivar.<br>Due to the lack of statistical analysis of the results, the discussion of the results and the conclusions lack fundamentals. | Thank you for your comments. The corrected copy has all the modifications that you have pointed out.   |
| <b><u>Minor</u></b> REVISION comments      | The research is well conducted and provides important information which should be correctly analyzed to be able to statistically assess the existence or not of correlations, and the level of differences between means by genotype or genotype tolerance interaction. And so be able to have a ranking of genotypes within the susceptible and tolerant and not only establish that there are differences between them.   |  |
| <b><u>Optional/General</u></b> comments    |   |  |