

**Review Form 3**

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|--------------------------|--|
| Journal Name:            | <b>International Journal of Plant &amp; Soil Science</b>               |
| Manuscript Number:       | <b>Ms_IJPSS_122179</b>   |
| Title of the Manuscript: | <b>Influence of priming on seed quality and seed health in sorghum</b> |
| Type of the Article      | <b>Original Research Article</b>                                       |

### Review Form 3

#### **PART 1:** Review Comments

| <b>Compulsory</b> REVISION comments   | <b>Reviewer's comment</b>  | <b>Author's Feedback</b> (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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.                        | It explores an innovative approach to improving seed performance in sorghum, a key crop for food security and agriculture. It provides valuable insights that could enhance germination rates, seedling vigour and overall crop yield. Its findings could pave the way for more effective seed treatment strategies.     |   |
| Is the title of the article suitable? (If not please suggest an alternative title)  | Suitable   |   |
| 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.   | In Abstract conclusion part rewrite the sentence as Sorghum seeds primed with <i>Bacillus amyloliquefaciens</i> increases the seed quality parameters and reduces seed infection   |   |
| Are subsections and structure of the manuscript appropriate?  | Appropriate  |   |
| Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part. | In seeds and culture collection, correct spelling of microorganisms<br>In treatment details correct the colony forming units<br>In seed quality parameters correct the formula of speed of germination<br>In Results write sorghum instead of chickpea<br>In Table 2 heading correct the unit of Electrical conductivity |   |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.   | References are sufficient but should be written as per the format of the journal. Correct the style of references (colon, semicolons, spacing etc.)  |   |
| <b>Minor</b> REVISION comments  |  |   |
| Is the language/English quality of the article suitable for scholarly communications?   | Improve the language of Introduction part.   |   |
| <b>Optional/General</b> comments  | -  |   |

#### **PART 2:**

|  | <b>Reviewer's comment</b>   | <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) |
|--|---|--|
| 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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|----------------------------------|---|
| Name:                            | Vijay Kumar   |
| Department, University & Country | Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, India |