

## Review Form 1.7

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|--------------------------|---|
| Journal Name:            | <b>International Journal of Plant &amp; Soil Science</b>  |
| Manuscript Number:       | <b>Ms_IJPSS_106745</b>  |
| Title of the Manuscript: | <b>Exploring the World of Mungbean: Uncovering its Origins, Taxonomy, Genetic Resources and Research Approaches</b> |
| Type of the Article      | <b>Review 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:

(<https://www.journalijpss.com/index.php/IJPSS/editorial-policy> )

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**PART 1: Review Comments**

|  | <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) |
|--|---|--|
| <p><b><u>Compulsory</u></b> REVISION comments</p> <p><b>1. Is the manuscript important for scientific community?</b><br/>(Please write few sentences on this manuscript)</p> <p><b>2. Is the title of the article suitable?</b><br/>(If not please suggest an alternative title)</p> <p><b>3. Is the abstract of the article comprehensive?</b></p> <p><b>4. Are subsections and structure of the manuscript appropriate?</b></p> <p><b>5. Do you think the manuscript is scientifically correct?</b></p> <p><b>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p> | <ul style="list-style-type: none"> <li>• Whole-genome sequencing (WGS) represents NGS's most momentous contribution to mungbean genomics.</li> <li>• The earlier findings reported that on the chromosomal level, a drafted reference genome of the superior mungbean breeding line "VC1973" from WorldVeg centre was created using Illumina/Solexa and Roche 454 sequencing.</li> <li>• Yes, the title of the manuscript is appropriate enough.</li> <li>• Yes, the abstract written is comprehensive.</li> <li>• Yes, they are appropriate enough enumerating the significant aspects.</li> <li>• An enchanting figure of General procedure for the GWAS followed in mungbean has been presented.</li> <li>• It has been elucidated that advanced genomic analysis can be used to systematically inspect and define the functions of genes because it is based on a comprehensive and high-quality reference genome sequence.</li> <li>• The study has chronicled that the amusing genetic resources of mungbean crop wild relatives like <i>V. umbellata</i>, <i>V. trilobata</i>, <i>V. glabrascens</i>, <i>V. radiata</i> var. <i>sublobata</i>, <i>V. mungo</i> var. <i>sylvestris</i>, <i>V. aconitifolia</i>, <i>V. marina</i>, etc., can perform a very vital role in the crop improvement. Conserved diversity, genomic resources, and advanced genomic tools are of enormous importance in attaining the potential yield.</li> </ul> <p>The references cited are adequate and recent enough.</p> |  |
| <p><b><u>Minor</u></b> REVISION comments</p> <p><b>1. Is language/English quality of the article suitable for scholarly communications?</b></p>  | <ul style="list-style-type: none"> <li>• Write as a single word for " <b>Keywords</b>".</li> <li>• The usage of the English language is appropriate and aptly suitable for scholarly communications.</li> </ul>   |  |
| <p><b><u>Optional/General</u></b> comments</p>   | <ul style="list-style-type: none"> <li>• Nevertheless, the manuscript had been laconically authored, and adequately good consisting of the related observations presented elegantly in the form of fine Tabular form, besides depicting an alluring figure.</li> </ul>  |  |

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**PART 2:**

|   | <b>Reviewer's comment</b>  | <b>Author's comment</b> <i>(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)</i> |
|---|--|---|
| <b>Are there ethical issues in this manuscript?</b> | <i>(If yes, Kindly please write down the ethical issues here in details)</i> |   |

**Reviewer Details:**

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|----------------------------------|---|
| Name:                            | <b>Asma Jabeen</b>  |
| Department, University & Country | <b>Indian Institute of Rice Research, Osmania University, India</b> |