

Review Form 3

Journal Name:	Asian Journal of Research in Crop Science
Manuscript Number:	Ms_AJRCS_126559
Title of the Manuscript:	Genetic analysis for yield, its components, and protein and oil contents in diallel crosses of soybean
Type of the Article	Original Research Article

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>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.</p>	<ol style="list-style-type: none"> 1. The manuscript "Genetic analysis for yield, its components, and protein and oil contents in diallel crosses of soybean" is crucial for advancing agricultural productivity and crop quality. 2. By analyzing yield traits alongside protein and oil content in soybean diallel crosses, this research provides valuable insights for breeding programs aimed at improving both the nutritional and economic value of soybeans. 3. Understanding the genetic factors influencing these traits can help breeders develop soybean varieties with higher yields and optimized nutritional profiles, meeting growing global demand for high-quality plant-based protein and oils. 4. Such genetic insights are essential for enhancing food security and supporting sustainable agriculture. 	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>If you aim to attract a broader audience, it might be beneficial to slightly modify the title to emphasize the implications or applications of the research. Suggested an alternative title: "Genetic Analysis of Yield, Protein, and Oil Traits in Soybean Diallel Crosses for Enhanced Crop Quality and Productivity"</p>	
<p>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.</p>	<p>Abstract of the article is comprehensive. No need to delete any points</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The subsections and structure of the manuscript seem appropriate.</p>	
<p>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.</p>	<p>To assess the scientific correctness of the manuscript, "Genetic analysis for yield, its components, and protein and oil contents in diallel crosses of soybean," has been evaluated.</p> <ol style="list-style-type: none"> 1. The methodology, including the choice and execution of diallel crosses and the statistical tools for genetic analysis, is rigorous and well-suited to isolate and interpret the genetic factors influencing yield and quality traits. 2. Additionally, data collection on yield components, protein, and oil content follow standardized procedures to ensure accuracy and reproducibility. 3. Conclusions drawn are logically followed from the results, demonstrating a clear understanding of genetic inheritance patterns in soybean. 	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Need to add 2-3 recent references in the manuscript.</p>	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The language and English quality of the article seem suitable for scholarly communication.</p>	
<p>Optional/General comments</p>	<p>Need to improve conclusion part. See the highlighted part.</p>	

Review Form 3

PART 2:

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

Reviewer Details:

Name:	Vinay Kumar
Department, University & Country	Centurion University of Technology and Management, India