

## Review Form 1.7

Journal Name:	<b>International Journal of Plant &amp; Soil Science</b>
Manuscript Number:	<b>Ms_IJPSS_104862</b>
Title of the Manuscript:	<b>Response of GA3 and corm division on floral attributes of gladiolus</b>
Type of the Article	

### **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:

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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)
<p><b>Compulsory REVISION comments</b></p> <ol style="list-style-type: none"> <li><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>Is the abstract of the article comprehensive?</b></li> <li><b>Are subsections and structure of the manuscript appropriate?</b></li> <li><b>Do you think the manuscript is scientifically correct?</b></li> <li><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p><b>General Comments</b></p> <p>From my point of view, it is a very interesting topic and simultaneously it seems that to the best of my knowledge is an important research was conducted to assess the response of GA<sub>3</sub> and corm division on floral attributes of gladiolus cv. Punjab Dawn at Horticulture Research Farm of Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India during two consecutive year (2017-2019). The treatments comprised of growth regulators with two concentration i.e. GA<sub>3</sub> 100 ppm and 200 ppm including control (distilled water) and corms which are cut having 1bud, 2 bud and 3 bud and whole having 4 bud, 5 bud and 6 bud. The experiment was laid out in Randomized Block Design and three replications. The flowering characteristics of Gladiolus are mainly affected by higher concentration of GA<sub>3</sub> (200 ppm) as well as whole corm under natural climatic condition. Regarding flowering parameters, it was found that GA<sub>3</sub> 200 ppm and whole corm i.e. 4 bud, 5 bud and 6 bud influence the quality and quantity parameters, viz. days to spike emergence, days to colour show, days to opening of florets, days to open florets without withering of basal floret, number of florets per spike, longevity of spike, length of spike and rachis (cm) and diameter of florets (cm) as compared to other treatments.</p> <p>The paper consists of the sections: Introduction, Materials and Methods, Results and Discussion and Conclusion.</p> <p><b>However, I find some recommendations:</b></p> <ol style="list-style-type: none"> <li>The abstract must contains the main purpose of the paper, the research method used in the research and the main contributions.</li> <li>It would be very useful to add in the "Introduction" section the purpose, objectives and hypothesis of the research.</li> <li>The Literature Review section cannot be missing from the paper.</li> <li>We consider that the introduction should specify .</li> <li>I consider an econometric model will increase the quality of the paper.</li> <li>In the same time, I consider the literature review section cannot missing from the paper and that is why we consider that the literature is not enough and that is why, we recommend the authors to refer to other recent works indexed in Web of Science, Scopus, Emerald, Cambrige, and of course MDPI Journals. We suggest that the authors cite papers published in MDPI journals and Web of Science Journals, such as:             <ol style="list-style-type: none"> <li>Batrancea L., Batrancea I., Moscviciov A. (2009), The Roots of the World Financial Crisis, <i>Annals of Faculty of Economics</i>, 3(1):57-62.</li> <li>We also consider that an important cause that influences GDP is fiscal compliance and therefore even if this variable was not taken into account, the authors should refer to the works published on this topic, namely:                 <ol style="list-style-type: none"> <li>Batrancea L.M., Nichita R.A., Batrancea I. (2012), Tax Non-Compliance Behavior in the Light of Tax Law Complexity and the Relationship between Authorities and Taxpayers, <i>Annals of the Alexandru Ioan Cuza University-Economics</i>, 59(1), pp.97–106.</li> </ol> </li> <li>Another important cause that must be mentioned in the paper is the link between GDP, fiscal compliance and shadow economy, as the independent variables fiscal compliance and shadow</li> </ol> </li> </ol>	

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	economy strongly influence GDP. In this sense, I recommend the authors to quote the paper:  We recommend the authors to number the paragraphs: 1. Introduction; 2.Literature review; 3. Methods and Results, Discussions and Conclusions. In conclusion, the article should be thoroughly rebuilt (changes in structure recommended above). It should also be enhanced with a review of the literature adequate to the subject and a broader interpretation and commentary of the research results.	
<b>Minor</b> REVISION comments		
1. Is language/English quality of the article suitable for scholarly communications?	Yes	
<b>Optional/General</b> comments	The Manuscript needs careful English proofreading because there are some shortcomings. For instance, the article “the” is sometimes missing in front of nouns, the message in some paragraphs is not clear enough.	

### **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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

### **Reviewer Details:**

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