

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_125330
Title of the Manuscript:	Phenotyping in Plant Breeding using Modern Tools; A Review
Type of the Article	Review Article

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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.	The use of contemporary techniques and plant phenotyping are covered in the manuscript. Due to advancements in digital technologies, plant phenotyping techniques have been getting better over the past few years, which has increased agricultural productivity. The authors emphasize the numerous phenotyping techniques and how to use them. The scientific community will benefit from this as it provides a general overview of the plant breeding technologies that are available.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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.	A line in the Abstract "According to some assessments, to meet anticipated population growth projections by 2050, global food output will need to double", looks too general statement when key word "some" is used. Better to be specific of the type of assessment done. Outcome of the survey done can be highlighted in a line or two.	
Are subsections and structure of the manuscript appropriate?	Modifications Required. Headings/ Sub headings must be organised in a hierarchy as per journal guidelines. Author is as asked to follow the manuscript template/ guidelines	
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.	Every modern tool for phenotyping in plant breeding is methodically examined, and its application to plant breeding techniques is explored. However, I recommend that the authors provide a comparison chart that highlights the salient characteristics of each of the contemporary tools, platforms, and phenotypic approaches. Experiment results defining the efficiency of the tools/ methods can be cited as reference and the data can be highlighted in the papers	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.:-	References pertaining to tools efficiency is needed	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Grammar check is required.	
Optional/General comments	In conclusion section author claims "We have been able to overcome some of these challenges thanks to the development of several HTPPs over the past ten years." Would like to see more discussions with references on this.	

PART 2:

	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)
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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