

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_107325
Title of the Manuscript:	Unravelling the Complexity of Plant Breeding through Modern Genetic Techniques and Tools- A review
Type of the Article	

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>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>This review examines the Complexity of Plant Breeding through Modern Genetic Techniques and Tools. This review delves into the multifaceted journey of plant breeding, emphasizing its contemporary intersection with modern genetic tools.</p> <p>Traditional Plant Breeding, Advent of Modern Genetics in Plant Breeding, Modern Genetic Techniques in Plant Breeding and Modern Tools Supporting Genetic Techniques, as well as Future Perspectives are also presented in this review.</p> <p>It is interesting and deserves attention!</p> <p>This a review is unique in because the modern genetic toolkit, comprising gene sequencing, molecular markers, and even gene editing, offers breeders a granular view into the genetic landscape of plants. Such tools empower them to make informed decisions, ensuring the development of crop varieties that are more resilient, nutritious, and sustainable.</p> <p>The article is structured correctly and written in a good style, and the terminology used is correct. From the literature review, which includes 31 literature sources, it is clear that the author knows well the state of the problem, from which he correctly formulates the main goal and objectives of the a review.</p> <p>This a review is presented on 11 pages and are illustrated with 2 tables, consistent with the specifics of specific indicators.</p> <p>This work reveals that one a holistic, globally-cohesive, and ethically-grounded approach will be essential to harness the full potential of plant breeding innovations and ensure food security for future generations.</p> <p>This review underscores the indispensability of modern genetic tools in paving the way forward, while also cognizant of the intricate challenges that lie ahead.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>The language quality of the article is suitable for scholarly communications.</p> <p>The exact terminologies and assay names used in the study were used.</p>	
<p>Optional/General comments</p>		

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

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