

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_105348
Title of the Manuscript:	Enhancing Crop Resilience through CRISPR/Cas9-Mediated Development of Disease-Resistant Cultivars
Type of the Article	Minireview 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:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy>)

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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>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>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Yes</p> <p>Enhancing Crop Resilience to diseases through CRISPR genome editing assay</p> <p>Pls add 3-4 sentences showing the improved resilience in various crops.</p> <p>Agreed</p> <p>Agreed</p> <p>No: Pls add the following references</p> <ol style="list-style-type: none"> Ahmad. A, MZ. Ghouri, A. Jamil, SH. Khan, N. Ahmad and M. Rahman. 2021. First Generation transgenic cotton crops. Rahman et al. (Eds) Cotton Precision Breeding. Springer Publisher, https://doi.org/10.1007/978-3-030-64504-5_10 Zaidi, SS, N. Ahmad and M. Rahman. Second and third generations of transgenic cotton. Rahman et al. (Eds) Cotton Precision Breeding. Springer Publisher, https://doi.org/10.1007/978-3-030-64504-5_13 Zhang B., Rahman M. (2021) Targeted Breeding in Cotton Using CRISPR/Cas9 Genome Editing. In: Rahman M., Zafar Y., Zhang T. (eds) Cotton Precision Breeding. Springer, Cham. https://doi.org/10.1007/978-3-030-64504-5_14 Zahra S, Shaheen T, Qasim M, Mahmood-ur-Rahman, Hussain M, Zulfiqar S, Shaukat K, Rahman Mu. 2023. Genome-wide survey of HMA gene family and its characterization in wheat (<i>Triticum aestivum</i>).PeerJ 11:e14920 DOI 10.7717/peerj.14920. Rahman, M.-u.; Zulfiqar, S.; Raza, M.A.; Ahmad, N.; Zhang, B. 2022. Engineering Abiotic Stress Tolerance in Crop Plants through CRISPR Genome Editing. <i>Cells</i>, 11, 3590. https://doi.org/10.3390/cells11223590 Gohar S, Sajjad M, Zulfiqar S, Liu J, Wu J and Rahman M-u (2022), Domestication of newly evolved hexaploid wheat—A journey of wild grass to cultivated wheat. <i>Front. Genet.</i>13:1022931. doi: 10.3389/fgene.2022.1022931 Zafar S, Abbas A, Iqbal MA, Rahman M. 2022. Mutagenesis with EMS is an alternative to recombinant breeding for inducing allelic diversity in cotton. <i>Pak J Bot.</i> 54 (4) 2022. Hussain M, Gul M, Kamal R, Iqbal MA, Zulfiqar S, Abbas A, Röder MS, Muqaddasi QH, Mehboob-ur-Rahman. Prospects of Developing Novel Genetic Resources by Chemical and Physical Mutagenesis to Enlarge the Genetic Window in Bread Wheat Varieties. <i>Agriculture</i> 2021, 11, 621. 	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Pls delete the references which are fairly old (before 2015).</p>	
<p>Optional/General comments</p>	<p>May kindly be accepted</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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