

**Review Form 3**

Journal Name:	<a href="#">Journal of Advances in Biology &amp; Biotechnology</a>
Manuscript Number:	Ms_JABB_126649
Title of the Manuscript:	Physiological and Biotechnological Approaches in Enhancing Quality Parameters of Chilli
Type of the Article	Review Article

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**PART 1:** Review Comments

<b>Compulsory</b> REVISION comments	Reviewer's comment	<b>Author's Feedback</b> <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.	Pepper is an important vegetable species that is consumed intensively in different ways all over the world. Pepper is one of the most consumed vegetables among the vegetables whose fruit is edible. It can be consumed in different ways, for example, fresh, pickled, fried, frozen products, sauce, tomato paste, powdered pepper, canned, pepper juice, as well as being used as a spice, and is also used in medicine and dye production. For this reason, some basic physiological and biotechnological approaches and the evaluation of the quality parameters of hot peppers are important.	Nowadays chilli is very much important crop due to its nutraceutical properties. There are several biotechnological and physiological approaches that helps in enhances quality in chilli. It is mentioned in this review article.
Is the title of the article suitable? (If not please suggest an alternative title)	The title of the article is appropriate.	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.	The summary of the article is sufficient.	Yes
Are subsections and structure of the manuscript appropriate?	It is suitable	Suitable
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.	Physiological and biochemical approaches to pepper are given under the subheadings of water and salinity stress, hormone therapy, Nutrient Management (Inorganic and Organic Fertilizers), Biotechnological approaches. Therefore, the research is scientifically sound.	Scientifically robust
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :-	The references are sufficient and up-to-date, but there are some deficiencies. It would be better if these were added. Impact of Al2O3 NPs on Callus Induction, Pigment Content, Cell Damage and Enzyme Activities in Ocimum basilicum Linn. <i>J. Int. Environmental Application &amp; Science</i> , 17(1), 22-33. Green Synthesis of Silver Nanoparticles Using Mandragora autumnalis; Its Characterization, Antioxidant and Antimicrobial Activities. <i>Erzincan University Journal of Science and Technology</i> , 14(3), 1039-1054. Enhancing the Antibacterial Effect by Adding MWCNT and ZrO2 Nanomaterials to Extracts Obtained from Different Parts of Persea americana Fruit. <i>JENAS Journal of Environmental and Natural Studies</i> , 5(3), 193-201. <i>A novel intracellular synthesis of silver nanoparticles using Desmodemus sp.(Scenedesmaceae): different methods of pigment change. RendiLinceiSciFis Nat 30: 611–621.</i>	Extra references added

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	The writing style and quality of the article are quite suitable.	Suitable
Optional/General comments	The article is very well organized. It can be republished with corrected references.	

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