

Review Form 1.7

Journal Name:	Journal of Advances in Microbiology
Manuscript Number:	Ms_JAMB_119721
Title of the Manuscript:	A review on the Impact of Climate Change on Plant Pathogen Interactions
Type of the Article	Review Article

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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> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Review article «A review on the Impact of Climate Change on Plant Pathogen Interactions»</p> <p>The review is devoted to an important problem - the impact of climate change on the distribution of plant pathogens, pathogen biology, pathogen-plant relationships and plant protection measures under changing environmental conditions. The objectives of this review are multifaceted. First, it looks at the current state of the climate and the ongoing changes in atmospheric temperature and CO2 levels. Second, the review examines the key mechanisms by which climate change affects pathogens and host plants. The review also looks at how climate change is affecting plant physiology, making plants more susceptible to infections. Ultimately, this review is intended to emphasize the importance of incorporating climate change factors into plant disease management strategies.</p> <p>Despite a good impression of the review, the reviewer has a few comments:</p> <ol style="list-style-type: none"> 1. Commonly known truths are often found in the text. For example: "fungal pathogens produce spores that are dispersed by wind, water, or vectors. Once on a suitable host, the spores germinate and form specialized structures called appressoria that penetrate the plant cuticle and cell walls, allowing the fungus to invade host tissues". Or «Plant-pathogen interactions are a complex and dynamic process involving a continuous struggle between plants and the pathogens that infect them» etc. Or «The life cycle of a pathogen usually involves several stages: spore production or reproduction, dispersal, entry into the host, colonization, multiplication, and dissemination. » 2. Some sections lack specific examples with pathogens. Only general words. For example, «Pathogen Life Cycles and Infection Processes», «Tri-Trophic Interactions» etc. 3. It is positive that the review is accompanied by a large list of references, but some works are unfortunately missing. For example: Mark Levitin. Plant Diseases in Globally Changing Russian Climate. Journal of Life Sciences, 2015, 9, p. 476-480. doi: 10.17265/1934-7391/2015.10.004; Mark Levitin. Climatic Anomalies and Plant Diseases. Recent Research Advances in Biology, 2021, Vol. 9, 28, Page 76-86. https://doi.org/10.9734/bpi/rrab/v9/9874D <p>Overall the review is good, relevant and can be recommended for publication.</p>	<p>ok</p>
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 		
<p>Optional/General comments</p>		

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PART 2:

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

Reviewer Details:

Name:	M. M. Levitin
Department, University & Country	All-Russian Research Institute of Plant Protection, Russia