

### Review Form 3

Journal Name:	<a href="#">Journal of Advances in Biology &amp; Biotechnology</a>
Manuscript Number:	Ms_JABB_127845
Title of the Manuscript:	Impact of different cultural media on growth and sporulation of <i>Magnaporthe grisea</i> causing blast of finger millet
Type of the Article	Original Research Article

#### PART 1: Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.</b>	<p>Finger millet (<i>Eleusine coracana</i>), a vital cereal crop. Understanding the sporulation dynamics of the pathogen is crucial for elucidating its biology, infection mechanisms, and epidemiology, as well as for developing effective disease management strategies.</p> <p>The findings emphasize the role of optimized media in facilitating reliable and abundant spore production, essential for advancing research in understanding the multi dynamics involved in disease occurrence, pathogen management and resistance breeding.</p> <p>These results contribute to the development of integrative approaches to mitigate the impact of blast disease on finger millet production and ensure agricultural sustainability.</p>	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	<b>Yes</b>	
<b>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.</b>	<b>YES</b>  Finger millet ( <i>Eleusine coracana</i> ), a vital cereal crop, suffers significant yield losses due to blast disease caused by <i>Magnaporthe grisea</i> . Understanding the sporulation dynamics of the pathogen is crucial for elucidating its biology, infection mechanisms and epidemiology and developing effective disease management strategies. This study investigated the influence of different cultural media on the vegetative growth and conidial production of <i>M. grisea</i> . Among the tested media, Oatmeal agar, Corn meal agar, Rice bran agar and Rice straw extract agar supported the growth of the pathogen. Oat meal agar demonstrated superior efficacy in promoting both mycelial proliferation and sporulation. The findings emphasize the role of optimized media in facilitating reliable and abundant spore production, which is essential for advancing research in understanding the multi-dynamics involved in disease occurrence, pathogen management and resistance breeding. These results contribute to the development of integrative approaches to mitigate the impact of blast disease on finger millet production and ensure agricultural sustainability.	
<b>Is the manuscript scientifically, correct? Please write here.</b>	YES	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	Add more references related to the topic	

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Is the language/English quality of the article suitable for scholarly communications?	Yes	
<b>Optional/General</b> comments	<b>Good</b>	

**PART 2:**

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

**Reviewer Details:**

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